

# Reporting monitoring data to EFSA Reports, business rules and corrective actions

Roberto Brazão

Monitoring and Surveillance Unit of the Food and Nutrition Department  
National Institute of Health Doutor Ricardo Jorge, IP (INSA, IP)  
([roberto.brazao@insa.min-saude.pt](mailto:roberto.brazao@insa.min-saude.pt))

25 August 2022

# Excel data file

Example of a chemical contaminants data file sent by a National (Portuguese) Authority

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1	Código da amostra	sampleDescription	Sampling Date	Start Analyse Date	name	value	UnitsOfValue	Uncertainty	Method	LOQ
2	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	1,2,3,4,6,7,8-HeptaCDD	< 0.203	pg/g		GC-MS/MS	0,265
3	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	1,2,3,4,6,7,8-HeptaCDF	< 0.142	pg/g		GC-MS/MS	0,19
4	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	1,2,3,4,7,8,9-HeptaCDF	< 0.0990	pg/g		GC-MS/MS	0,13
5	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	1,2,3,4,7,8-HexaCDD	< 0.0964	pg/g		GC-MS/MS	0,125
6	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	1,2,3,4,7,8-HexaCDF	< 0.150	pg/g		GC-MS/MS	0,195
7	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	1,2,3,6,7,8-HexaCDD	< 0.132	pg/g		GC-MS/MS	0,175
8	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	1,2,3,6,7,8-HexaCDF	< 0.137	pg/g		GC-MS/MS	0,18
9	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	1,2,3,7,8,9-HexaCDD	< 0.124	pg/g		GC-MS/MS	0,165
10	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	1,2,3,7,8,9-HexaCDF	< 0.102	pg/g		GC-MS/MS	0,135
11	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	1,2,3,7,8-PentaCDD	< 0.0635	pg/g		GC-MS/MS	0,085
12	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	1,2,3,7,8-PentaCDF	< 0.0914	pg/g		GC-MS/MS	0,12
13	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	2,3,4,6,7,8-HexaCDF	< 0.124	pg/g		GC-MS/MS	0,16
14	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	2,3,4,7,8-PentaCDF	< 0.142	pg/g		GC-MS/MS	0,185
15	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	2,3,7,8-TetraCDD	< 0.0482	pg/g		GC-MS/MS	0,065
16	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	2,3,7,8-TetraCDF	< 0.132	pg/g		GC-MS/MS	0,175
17	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	OctaCDD	< 1.47	pg/g		GC-MS/MS	1,95
18	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	OctaCDF	< 0.305	pg/g		GC-MS/MS	0,4
19	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	PCB 101	< 0.254	ng/g		GC-MS/MS	0,335
20	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	PCB 105	< 9.90	pg/g		GC-MS/MS	13
21	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	PCB 114	< 1.35	pg/g		GC-MS/MS	1,75
22	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	PCB 118	< 35.5	pg/g		GC-MS/MS	46,5
23	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	PCB 123	< 1.02	pg/g		GC-MS/MS	1,35

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4	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	1,2,3,4,7,8,9-HeptaCDF	< 0.0990	pg/g		GC-MS/MS	0,13
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19	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	PCB 101	< 0.254	ng/g		GC-MS/MS	0,335
20	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	PCB 105	< 9.90	pg/g		GC-MS/MS	13
21	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	PCB 114	< 1.35	pg/g		GC-MS/MS	1,75
22	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	PCB 118	< 35.5	pg/g		GC-MS/MS	46,5
23	910010764	PEIXE TRUTA- MUSCULO+PELE	03/06/2019	22/10/2019	PCB 123	< 1.02	pg/g		GC-MS/MS	1,35

**Not in SSD2 format & without SSD2 controlled terminologies**

# Excel tool FLAT for data collection

Example of the **SSD2 Excel tool FLAT** with the same chemical contaminants data

	J	K	L	M	N	O	P	Q	R	S
1	sampId	sampCountry	sampY	sampM	sampD	sampInfc	sampMatType	sampMatCode	sampMatText	origCountry
2	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
3	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
4	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
5	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
6	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
7	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
8	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
9	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
10	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
11	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
12	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
13	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
14	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
15	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
16	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
17	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
18	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
19	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
20	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
21	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
22	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
23	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
24	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT
25	910010764	PT	2019	6	3		S019A	A026X#source=A0BXL\$part=A0EMD	PEIXE TRUTA- MUSCULO+PELE	PT

# Excel tool FLAT for data collection

Example of the **SSD2 Excel tool FLAT** with the same chemical contaminants data

T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	
1	origFishArea	analysis	anMatCode	anPortSeq	labId	labAccred	labCountry	paramType	paramCode	paramText	anMethRefId	anMethType	anMethCode
2	2019			YXZ_4	L001A	PT	P002A	RF-00000341-ORG		GC-MS/MS	AT08A	F046A	
3	2019			YXZ_4	L001A	PT	P002A	RF-00000330-ORG		GC-MS/MS	AT08A	F046A	
4	2019			YXZ_4	L001A	PT	P002A	RF-00000331-ORG		GC-MS/MS	AT08A	F046A	
5	2019			YXZ_4	L001A	PT	P002A	RF-00000347-ORG		GC-MS/MS	AT08A	F046A	
6	2019			YXZ_4	L001A	PT	P002A	RF-00000332-ORG		GC-MS/MS	AT08A	F046A	
7	2019			YXZ_4	L001A	PT	P002A	RF-00000342-ORG		GC-MS/MS	AT08A	F046A	
8	2019			YXZ_4	L001A	PT	P002A	RF-00000333-ORG		GC-MS/MS	AT08A	F046A	
9	2019			YXZ_4	L001A	PT	P002A	RF-00000343-ORG		GC-MS/MS	AT08A	F046A	
10	2019			YXZ_4	L001A	PT	P002A	RF-00000334-ORG		GC-MS/MS	AT08A	F046A	
11	2019			YXZ_4	L001A	PT	P002A	RF-00000344-ORG		GC-MS/MS	AT08A	F046A	
12	2019			YXZ_4	L001A	PT	P002A	RF-00000335-ORG		GC-MS/MS	AT08A	F046A	
13	2019			YXZ_4	L001A	PT	P002A	RF-00000336-ORG		GC-MS/MS	AT08A	F046A	
14	2019			YXZ_4	L001A	PT	P002A	RF-00000337-ORG		GC-MS/MS	AT08A	F046A	
15	2019			YXZ_4	L001A	PT	P002A	RF-00000345-ORG		GC-MS/MS	AT08A	F046A	
16	2019			YXZ_4	L001A	PT	P002A	RF-00000338-ORG		GC-MS/MS	AT08A	F046A	
17	2019			YXZ_4	L001A	PT	P002A	RF-00000346-ORG		GC-MS/MS	AT08A	F046A	
18	2019			YXZ_4	L001A	PT	P002A	RF-00000339-ORG		GC-MS/MS	AT08A	F046A	
19	2019			YXZ_4	L001A	PT	P002A	RF-00000134-ORG		GC-MS/MS	AT08A	F046A	
20	2019			YXZ_4	L001A	PT	P002A	RF-00000117-ORG		GC-MS/MS	AT08A	F046A	
21	2019			YXZ_4	L001A	PT	P002A	RF-00000118-ORG		GC-MS/MS	AT08A	F046A	
22	2019			YXZ_4	L001A	PT	P002A	RF-00000119-ORG		GC-MS/MS	AT08A	F046A	
23	2019			YXZ_4	L001A	PT	P002A	RF-00000120-ORG		GC-MS/MS	AT08A	F046A	
24	2019			YXZ_4	L001A	PT	P002A	RF-00000126-ORG		GC-MS/MS	AT08A	F046A	
25	2019			YXZ_4	L001A	PT	P002A	RF-00000168-ORG		GC-MS/MS	AT08A	F046A	

# Excel tool FLAT for data collection

Example of the **SSD2 Excel tool FLAT** with the same chemical contaminants data

AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV
anMethText	resid	accredProc	resUnit	resLOD	resLOQ	ccAlpha	ccBeta	resVal	resValRec	resValRecCorr	exprResPct	exprResPerc.fat	exprResType	resQualValue	resType
GC-MS/MS	XPTO_PT_1	V001A	G080A	0.203	0,265										LOD
GC-MS/MS	XPTO_PT_2	V001A	G080A	0.142	0,19										LOD
GC-MS/MS	XPTO_PT_3	V001A	G080A	0.099	0,13										LOD
GC-MS/MS	XPTO_PT_4	V001A	G080A	0.096	0,125										LOD
GC-MS/MS	XPTO_PT_5	V001A	G080A	0.150	0,195										LOD
GC-MS/MS	XPTO_PT_6	V001A	G080A	0.132	0,175										LOD
GC-MS/MS	XPTO_PT_7	V001A	G080A	0.137	0,18										LOD
GC-MS/MS	XPTO_PT_8	V001A	G080A	0.124	0,165										LOD
GC-MS/MS	XPTO_PT_9	V001A	G080A	0.102	0,135										LOD
GC-MS/MS	XPTO_PT_10	V001A	G080A	0.063	0,085										LOD
GC-MS/MS	XPTO_PT_11	V001A	G080A	0.091	0,12										LOD
GC-MS/MS	XPTO_PT_12	V001A	G080A	0.124	0,16										LOD
GC-MS/MS	XPTO_PT_13	V001A	G080A	0.142	0,185										LOD
GC-MS/MS	XPTO_PT_14	V001A	G080A	0.048	0,065										LOD
GC-MS/MS	XPTO_PT_15	V001A	G080A	0.132	0,175										LOD
GC-MS/MS	XPTO_PT_16	V001A	G080A	1.47	1,95										LOD
GC-MS/MS	XPTO_PT_17	V001A	G080A	0.305	0,4										LOD
GC-MS/MS	XPTO_PT_18	V001A	G080A	0.254	0,335										LOD
GC-MS/MS	XPTO_PT_19	V001A	G080A	9.90	13										LOD
GC-MS/MS	XPTO_PT_20	V001A	G080A	1.35	1,75										LOD
GC-MS/MS	XPTO_PT_21	V001A	G080A	35.5	46,5										LOD
GC-MS/MS	XPTO_PT_22	V001A	G080A	1.02	1,35										LOD
GC-MS/MS	XPTO_PT_23	V001A	G080A	0.635	0,85										LOD
GC-MS/MS	XPTO_PT_24	V001A	G080A	0.254	0,335										LOD

## Complete 57 mandatory and relevant SSD2 fields

- 28 mandatory and dependent mandatory fields; 29 relevant fields
- 31 fields have to be filled in according to a specific catalogue of controlled terminologies

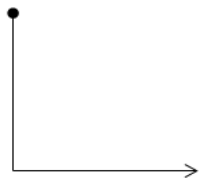
	A	B	C	D	E	F	G	H	I	J	K			
7 GC	progId	progLegalRef	sampStrategy	progType	sampMethod	sampler	sampPoint	sampEventId	sampUnitType	sampId	sampCountry			
10 GC	sampY	sampM	sampD	sampInfo.OrigSampId	sampMatType	sampMatCode	sampMatText	origCountry	origFishAreaCode	analysisY	anMatCode	anPortSeq		
14 GC	labId	labAccred	labCountry	paramType	paramCode	paramText	anMethRefId	anMethType	anMethCode	anMethText				
17 GC	resId	accredProc	resUnit	resLOD	resLOQ	CCalpha	CCbeta	resVal	resValRec	resValRecCorr	exprResPerc.moistPerc	exprResPerc.fatPerc	exprResType	resQualValue
20 GC	resType	resValUncert	resInfo.notSummed	evalLowLimit	evalLimitType	evalCode	actTakenCode	evalInfo.conclusion	evalInfo.com	evalInfo.resAsses				
23 GC-MS/MS	XPTO_PT_22	V001A	G080A	1.02	1,35									LOD
24 GC-MS/MS	XPTO_PT_23	V001A	G080A	0.635	0,85									LOD
25 GC-MS/MS	XPTO_PT_24	V001A	G080A	0.254	0.335									LOD

Remember! From previous presentation:

## Excel reporting tools

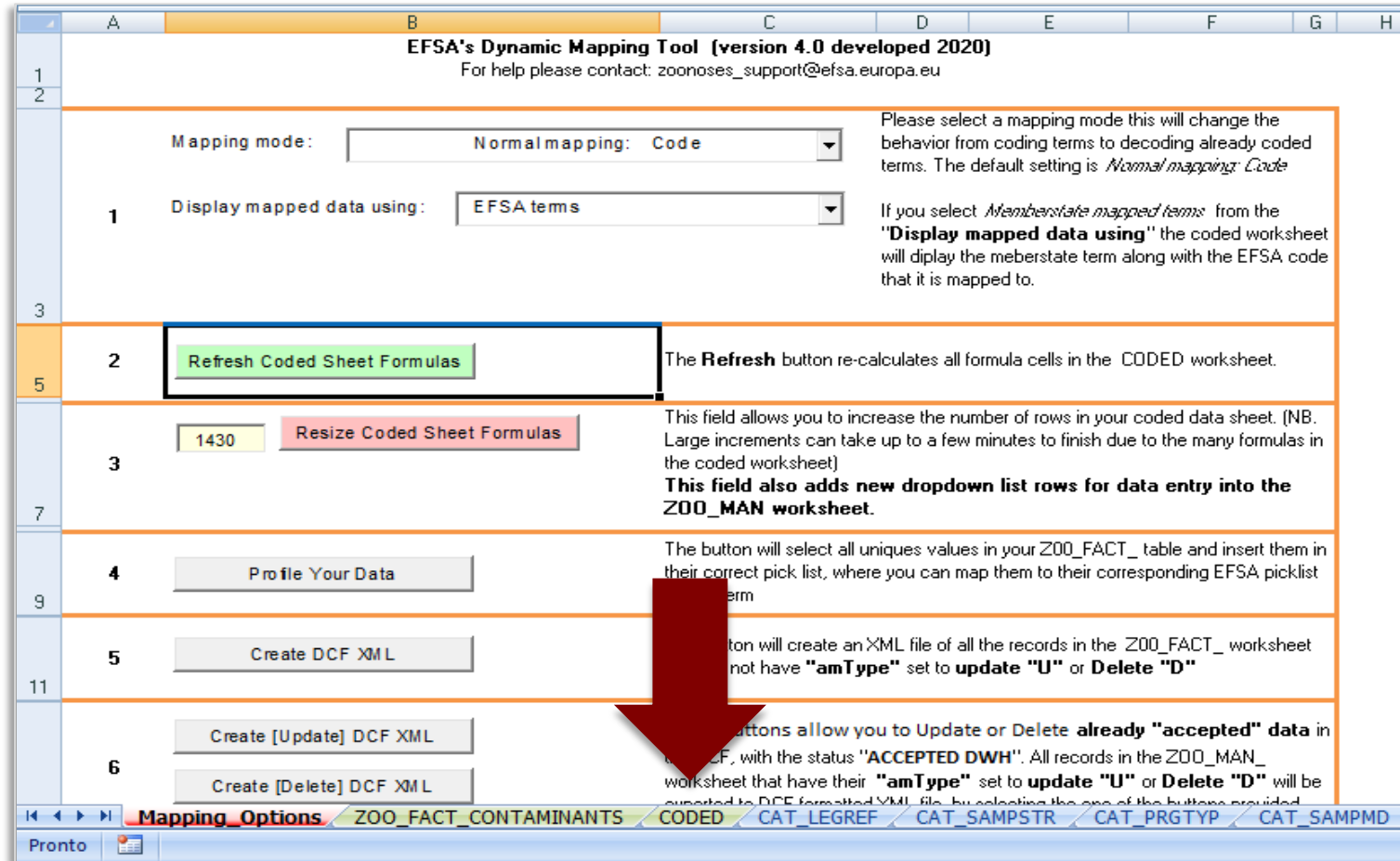
### MAIN FUNCTIONALITIES

- Each cell can also be populated entering the codes manually or by copying-pasting codes from another worksheet, with the possibility to run the catalogues validation afterwards;



The best option and the one that is in use (and that will be most used) for the majority of the Portuguese data.

## EFSA's Dynamic Mapping Tool >>>> no longer in use!



**EFSA's Dynamic Mapping Tool (version 4.0 developed 2020)**  
For help please contact: [zoonoses\\_support@efsa.europa.eu](mailto:zoonoses_support@efsa.europa.eu)

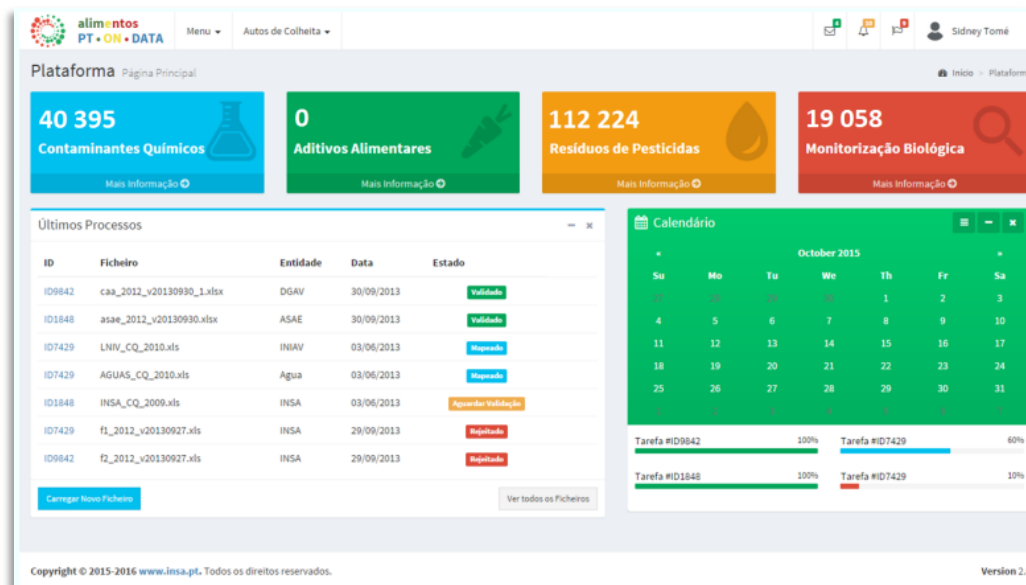
Control ID	Control Name	Description
1	Mapping mode: <input type="text" value="Normal mapping: Code"/>	Please select a mapping mode this will change the behavior from coding terms to decoding already coded terms. The default setting is <i>Normal mapping: Code</i>
1	Display mapped data using: <input type="text" value="EFSA terms"/>	If you select <i>Memberstate mapped terms</i> from the " <b>Display mapped data using</b> " the coded worksheet will display the memberstate term along with the EFSA code that it is mapped to.
2	<input type="button" value="Refresh Coded Sheet Formulas"/>	The <b>Refresh</b> button re-calculates all formula cells in the CODED worksheet.
3	<input type="text" value="1430"/> <input type="button" value="Resize Coded Sheet Formulas"/>	This field allows you to increase the number of rows in your coded data sheet. (NB. Large increments can take up to a few minutes to finish due to the many formulas in the coded worksheet) <b>This field also adds new dropdown list rows for data entry into the ZOO_MAN worksheet.</b>
4	<input type="button" value="Profile Your Data"/>	The button will select all unique values in your ZOO_FACT_ table and insert them in their correct pick list, where you can map them to their corresponding EFSA picklist term
5	<input type="button" value="Create DCF XML"/>	This button will create an XML file of all the records in the ZOO_FACT_ worksheet that do not have " <b>amType</b> " set to <b>update "U"</b> or <b>Delete "D"</b>
6	<input type="button" value="Create [Update] DCF XML"/> <input type="button" value="Create [Delete] DCF XML"/>	These buttons allow you to Update or Delete <b>already "accepted" data</b> in the ZOO_FACT_ table, with the status " <b>ACCEPTED DWH</b> ". All records in the ZOO_MAN_ worksheet that have their " <b>amType</b> " set to <b>update "U"</b> or <b>Delete "D"</b> will be exported to DCF formatted XML files, by selecting the one of the buttons provided.

Navigation: Mapping\_Options | ZOO\_FACT\_CONTAMINANTS | CODED | CAT\_LEGREF | CAT\_SAMPSTR | CAT\_PRGTYT | CAT\_SAMPMD

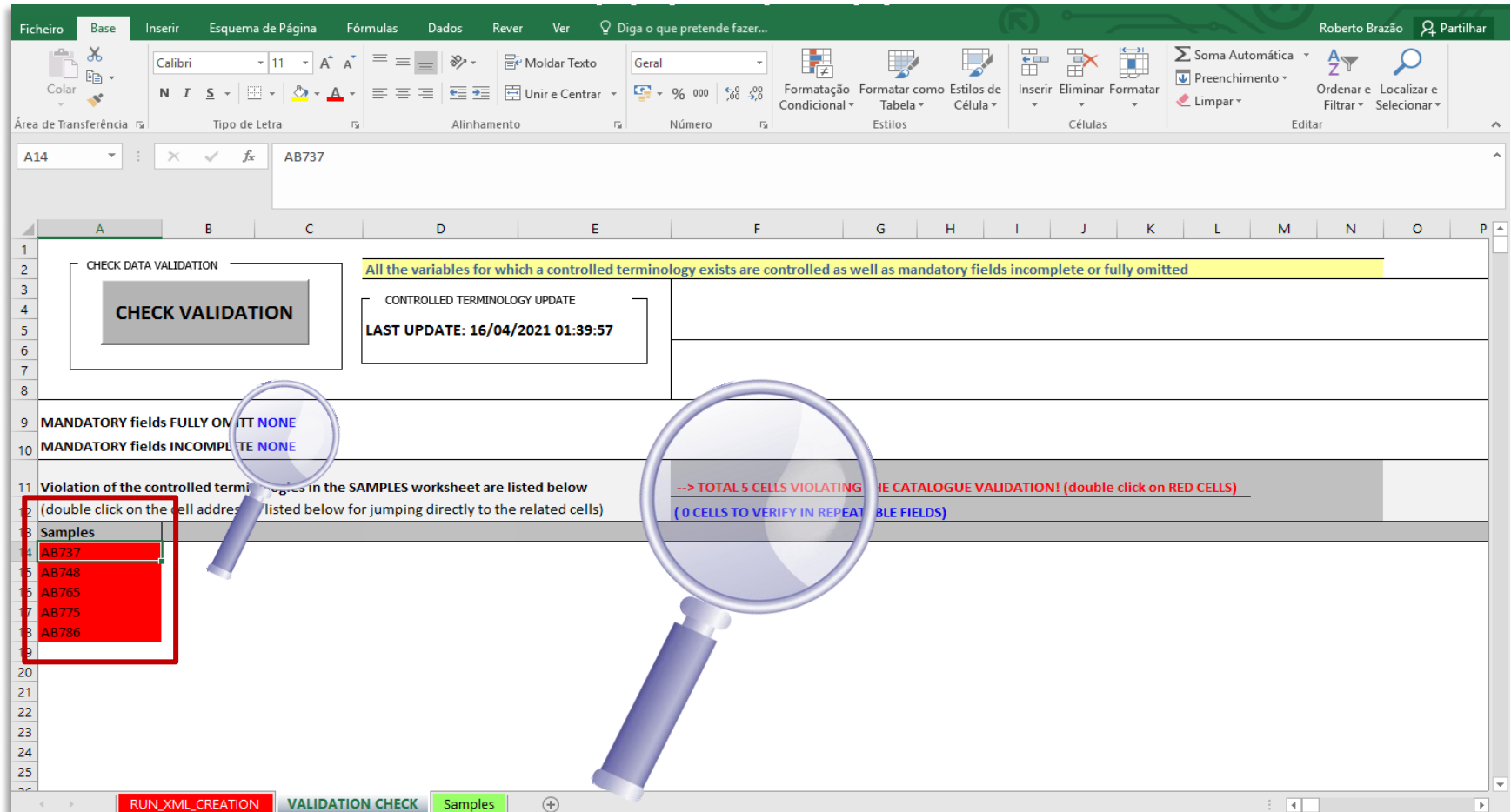
## National Data Management System



»»»» retake and further develop the NDMS “**Alimentos PT.ON.DATA**”, that includes functionalities for data upload, mapping and validation, to support Portuguese entities to collect, compile, harmonize and submit data to EFSA.



## DATA VALIDATION



Microsoft Excel interface showing a data validation report. The report includes a "CHECK VALIDATION" button, a "CONTROLLED TERMINOLOGY UPDATE" section with a timestamp "LAST UPDATE: 16/04/2021 01:39:57", and a list of "Samples" (AB737, AB748, AB765, AB775, AB786) with red cells indicating violations. A summary row states: "--> TOTAL 5 CELLS VIOLATING THE CATALOGUE VALIDATION! (double click on RED CELLS) (0 CELLS TO VERIFY IN REPEATABLE FIELDS)". The Excel interface shows the "Dados" ribbon and the "Dados" tab selected.

# Excel tool FLAT for data collection

## DATA VALIDATION

Microsoft Excel

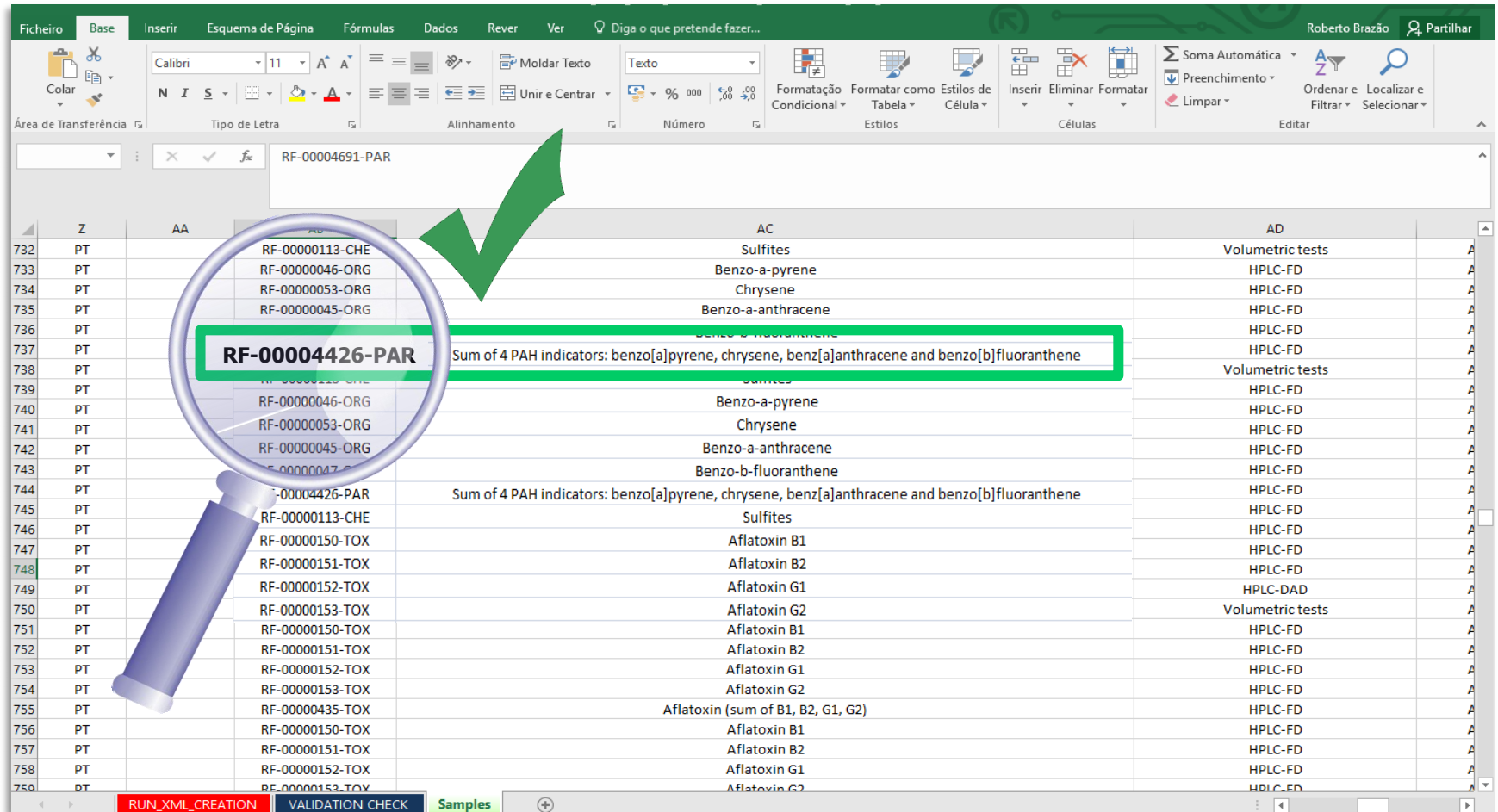
The double-click request on this cell doesn't match any description.  
The current cell is empty or the value refers to another catalogue and a reference wasnot found

OK

	Z	AA	AB	AC	AD
732	PT		RF-00000113-CHE	Sulfites	Volumetric tests
733	PT		RF-00000046-ORG	Benzo-a-pyrene	HPLC-FD
734	PT		RF-00000053-ORG	Chrysene	HPLC-FD
735	PT		RF-00000045-ORG	Benzo-a-anthracene	HPLC-FD
736	PT		RF-00000047-ORG	Benzo-b-fluoranthene	HPLC-FD
737	PT		RF-00004691-PAR	Sum of 4 PAH indicators: benzo[a]pyrene, chrysene, benz[a]anthracene and benzo[b]fluoranthene	HPLC-FD
738	PT		RF-00000113-CHE	Sulfites	Volumetric tests
739	PT				HPLC-FD
740	PT				HPLC-FD
741	PT				HPLC-FD
742	PT				HPLC-FD
743	PT				HPLC-FD
744	PT				HPLC-FD
745	PT				HPLC-FD
746	PT				HPLC-FD
747	PT				HPLC-FD
748	PT				HPLC-FD
749	PT				HPLC-DAD
750	PT				Volumetric tests
751	PT				HPLC-FD
752	PT				HPLC-FD
753	PT				HPLC-FD
754	PT				HPLC-FD
755	PT				HPLC-FD
756	PT		RF-00000150-TOX	Aflatoxin B1	HPLC-FD
757	PT		RF-00000151-TOX	Aflatoxin B2	HPLC-FD
758	PT		RF-00000152-TOX	Aflatoxin G1	HPLC-FD
759	PT		RF-00000153-TOX	Aflatoxin G2	HPLC-FD

RUN\_XML\_CREATION VALIDATION CHECK Samples

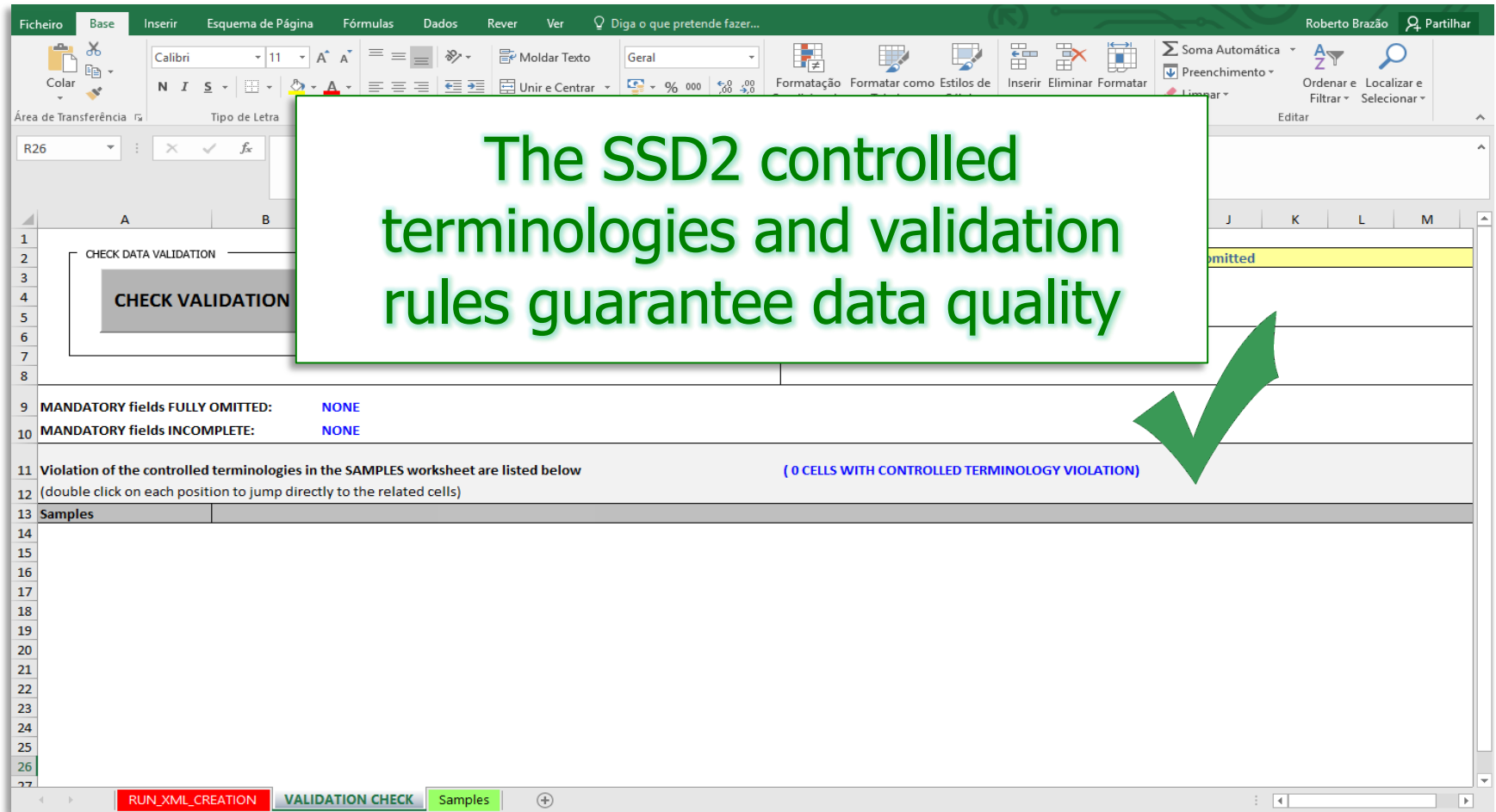
## DATA VALIDATION



The screenshot shows the Microsoft Excel interface with the 'Dados' (Data) tab selected. The ribbon includes options for 'Formatar como Tabela', 'Estilos de Célula', and 'Inserir, Eliminar, Formatar'. The formula bar shows 'RF-00004691-PAR'. The spreadsheet contains a list of samples with columns Z, AA, AC, and AD. A magnifying glass highlights a data validation error in cell AA743, which reads: 'Sum of 4 PAH indicators: benzo[a]pyrene, chrysene, benz[a]anthracene and benzo[b]fluoranthene'. A green checkmark is placed above the error message. The status bar at the bottom shows 'RUN\_XML\_CREATION', 'VALIDATION CHECK', and 'Samples'.

Z	AA	AC	AD
732	PT	Sulfites	Volumetric tests
733	PT	Benzo-a-pyrene	HPLC-FD
734	PT	Chrysene	HPLC-FD
735	PT	Benzo-a-anthracene	HPLC-FD
736	PT	Benzo-b-fluoranthene	HPLC-FD
737	PT	Sum of 4 PAH indicators: benzo[a]pyrene, chrysene, benz[a]anthracene and benzo[b]fluoranthene	HPLC-FD
738	PT	Sulfites	Volumetric tests
739	PT	Benzo-a-pyrene	HPLC-FD
740	PT	Chrysene	HPLC-FD
741	PT	Benzo-a-anthracene	HPLC-FD
742	PT	Benzo-b-fluoranthene	HPLC-FD
743	PT	Sum of 4 PAH indicators: benzo[a]pyrene, chrysene, benz[a]anthracene and benzo[b]fluoranthene	HPLC-FD
744	PT	Sulfites	HPLC-FD
745	PT	Aflatoxin B1	HPLC-FD
746	PT	Aflatoxin B2	HPLC-FD
747	PT	Aflatoxin G1	HPLC-FD
748	PT	Aflatoxin G2	HPLC-FD
749	PT	Aflatoxin B1	HPLC-DAD
750	PT	Aflatoxin B2	Volumetric tests
751	PT	Aflatoxin G1	HPLC-FD
752	PT	Aflatoxin G2	HPLC-FD
753	PT	Aflatoxin G1	HPLC-FD
754	PT	Aflatoxin G2	HPLC-FD
755	PT	Aflatoxin (sum of B1, B2, G1, G2)	HPLC-FD
756	PT	Aflatoxin B1	HPLC-FD
757	PT	Aflatoxin B2	HPLC-FD
758	PT	Aflatoxin G1	HPLC-FD
759	PT	Aflatoxin G2	HPLC-FD

## DATA VALIDATION



The SSD2 controlled terminologies and validation rules guarantee data quality

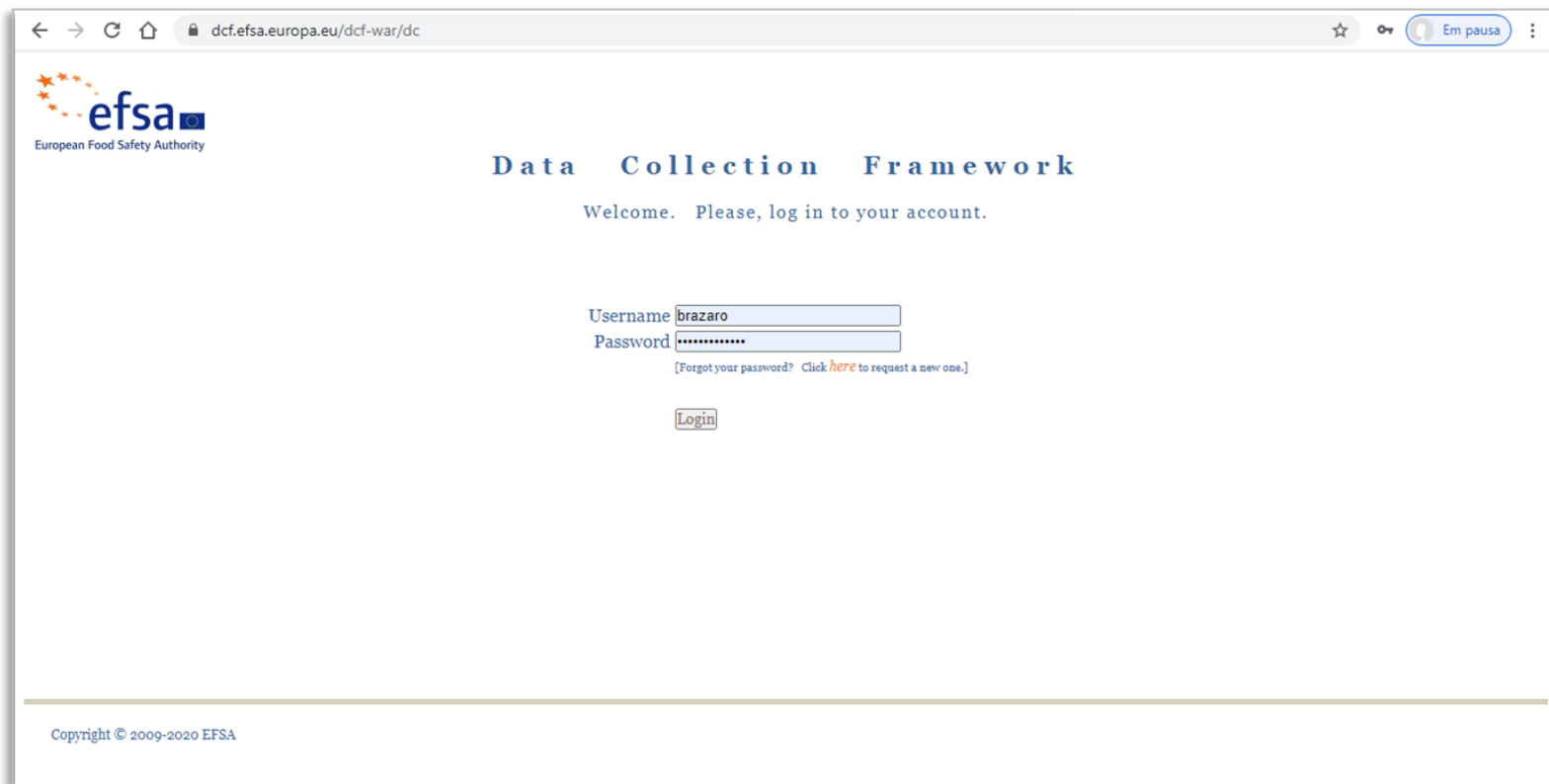
MANDATORY fields FULLY OMITTED: NONE  
MANDATORY fields INCOMPLETE: NONE

Violation of the controlled terminologies in the SAMPLES worksheet are listed below (0 CELLS WITH CONTROLLED TERMINOLOGY VIOLATION)  
(double click on each position to jump directly to the related cells)

Samples

# EFSA Data Collection Framework (DCF)

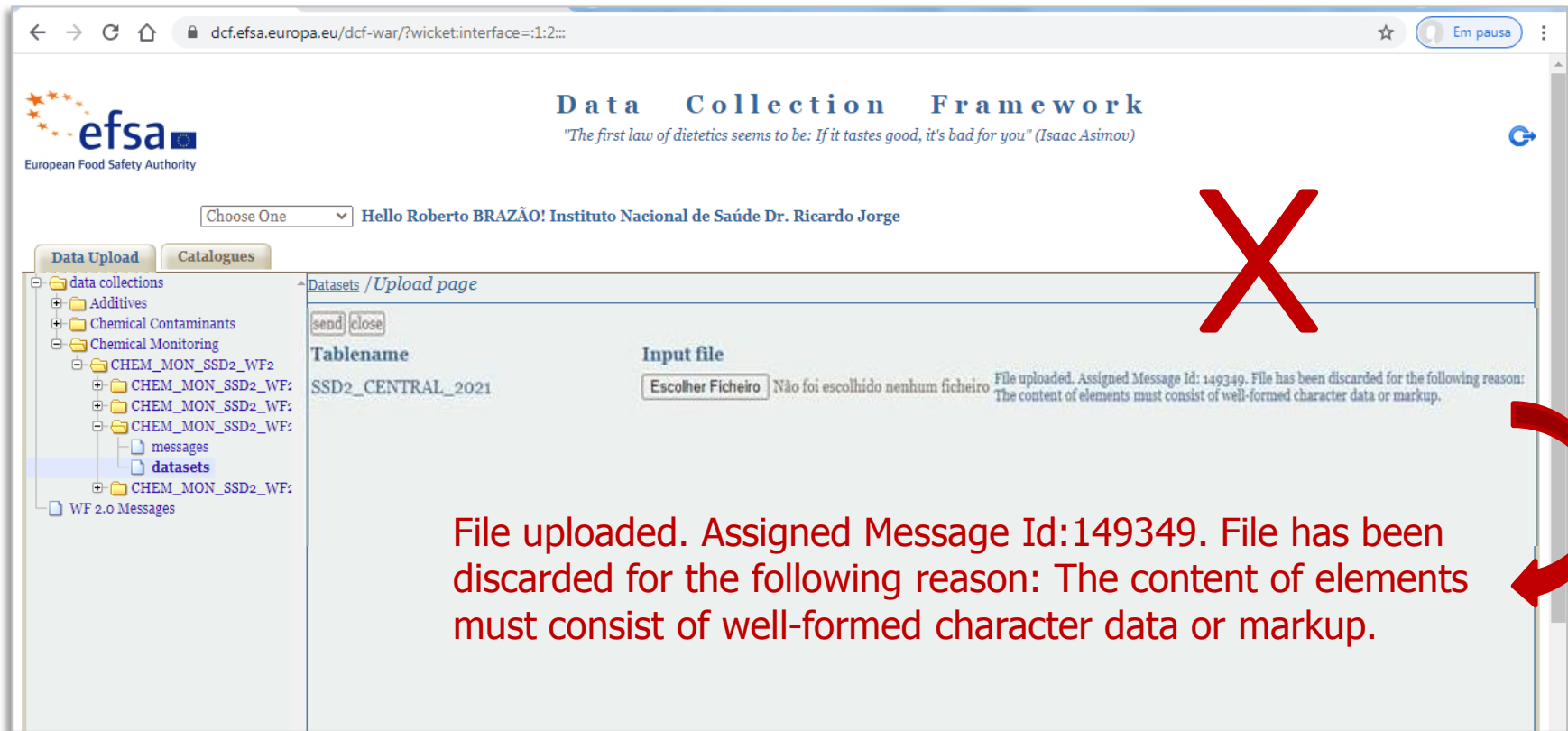
## Transmission of the **XML file** to the EFSA Data Collection Framework



The screenshot shows a web browser window with the address bar displaying `dcf.efsa.europa.eu/dcf-war/dc`. The page features the EFSA logo (European Food Safety Authority) in the top left corner. The main heading is "Data Collection Framework" in a blue serif font. Below the heading, a welcome message reads "Welcome. Please, log in to your account." The login form consists of two input fields: "Username" with the value "brazaro" and "Password" with masked characters. A link for password recovery is provided: "[Forgot your password? Click [here](#) to request a new one.]" Below the form is a "Login" button. At the bottom left of the page, the copyright notice "Copyright © 2009-2020 EFSA" is visible.

# EFSA Data Collection Framework (DCF)

## Transmission of the **XML file** to the EFSA Data Collection Framework – FILE DISCARDED



The screenshot shows the EFSA Data Collection Framework interface. The browser address bar displays `dcf.efsa.europa.eu/dcf-war/?wicket:interface=:1:2::`. The page header includes the EFSA logo and the text "Data Collection Framework" with the quote "The first law of dietetics seems to be: If it tastes good, it's bad for you" (Isaac Asimov). Below the header, there is a user greeting: "Hello Roberto BRAZÃO! Instituto Nacional de Saúde Dr. Ricardo Jorge". The main content area is titled "Data Upload" and "Catalogues". A sidebar on the left shows a tree view of data collections, including "Chemical Monitoring" and "Chemical Monitoring" sub-items. The main area shows a table with the following information:

Table name	Input file
SSD2_CENTRAL_2021	<input type="button" value="Escolher Ficheiro"/> Não foi escolhido nenhum ficheiro

A red 'X' is drawn over the table. Below the table, a message states: "File uploaded. Assigned Message Id: 149349. File has been discarded for the following reason: The content of elements must consist of well-formed character data or markup." A red arrow points from this message to the text below.

**File uploaded. Assigned Message Id:149349. File has been discarded for the following reason: The content of elements must consist of well-formed character data or markup.**

# EFSA Data Collection Framework (DCF)

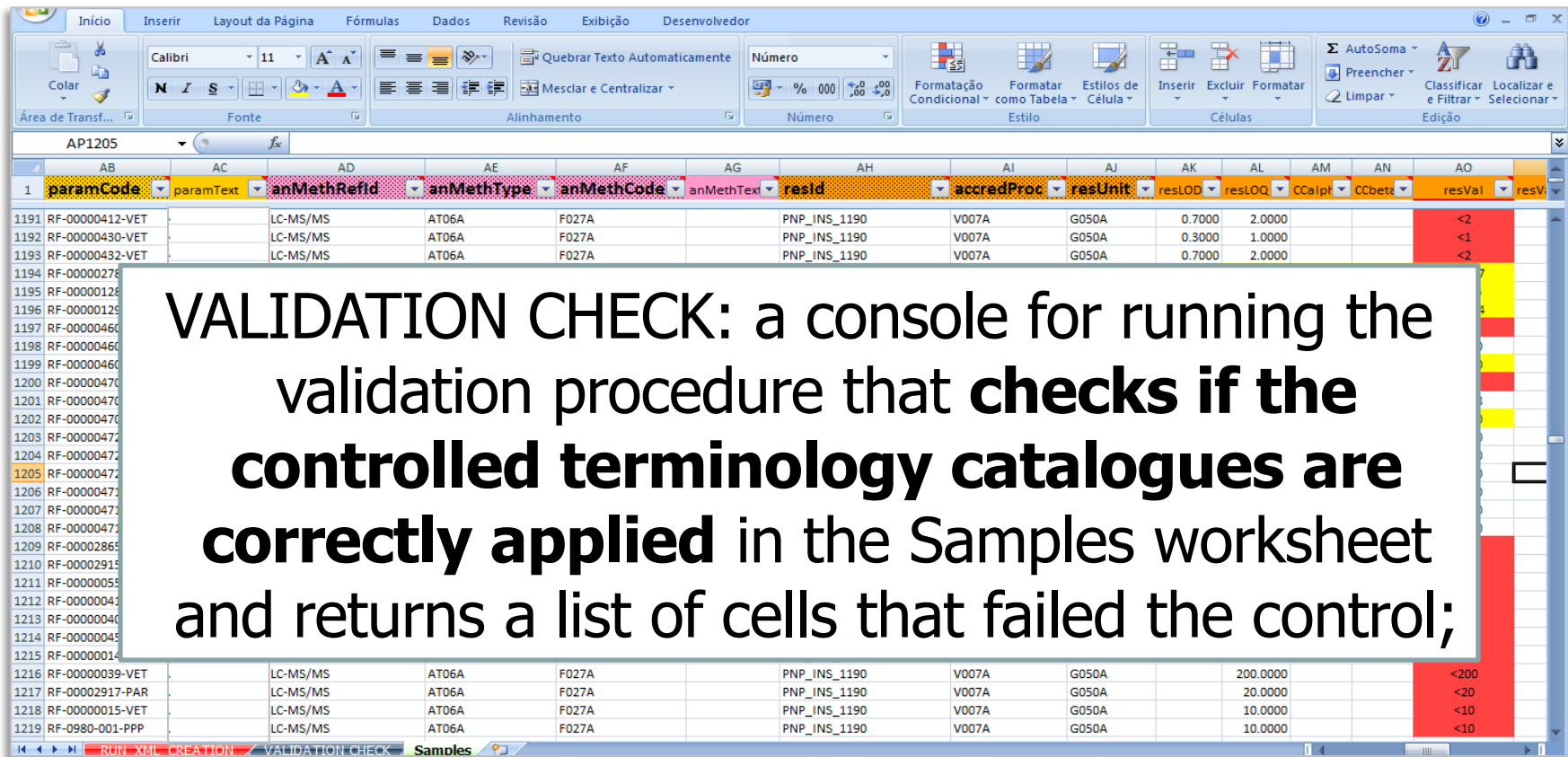
Transmission of the **XML file** to the EFSA Data Collection Framework – FILE DISCARDED

The screenshot shows an Excel spreadsheet with the following columns: paramCode, paramText, anMethRefId, anMethType, anMethCode, anMethText, resId, accredProc, resUnit, resLOD, resLOQ, CCalpr, Ccbeta, resVal, and resV. The data rows contain various numerical values and text entries. A text box is overlaid on the spreadsheet, containing the following text:

The VALIDATION CHECK functionality of the Excel tool FLAT does not identify all the inconsistencies/errors that might exist in the file!

# EFSA Data Collection Framework (DCF)

Transmission of the **XML file** to the EFSA Data Collection Framework – FILE DISCARDED



**VALIDATION CHECK: a console for running the validation procedure that checks if the controlled terminology catalogues are correctly applied in the Samples worksheet and returns a list of cells that failed the control;**

	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO
	paramCode	paramText	anMethRefId	anMethType	anMethCode	anMethText	resid	accredProc	resUnit	resLOD	resLOQ	CCaIpl	CCbeta	resVal
1191	RF-00000412-VET		LC-MS/MS	AT06A	F027A		PNP_INS_1190	V007A	G050A	0.7000	2.0000			<-2
1192	RF-00000430-VET		LC-MS/MS	AT06A	F027A		PNP_INS_1190	V007A	G050A	0.3000	1.0000			<-1
1193	RF-00000432-VET		LC-MS/MS	AT06A	F027A		PNP_INS_1190	V007A	G050A	0.7000	2.0000			<-2
1194	RF-00000278													
1195	RF-00000128													
1196	RF-00000129													
1197	RF-00000460													
1198	RF-00000460													
1199	RF-00000460													
1200	RF-00000470													
1201	RF-00000470													
1202	RF-00000470													
1203	RF-00000472													
1204	RF-00000472													
1205	RF-00000472													
1206	RF-00000471													
1207	RF-00000471													
1208	RF-00000471													
1209	RF-00002865													
1210	RF-00002915													
1211	RF-00000055													
1212	RF-00000041													
1213	RF-00000040													
1214	RF-00000045													
1215	RF-00000014													
1216	RF-00000039-VET		LC-MS/MS	AT06A	F027A		PNP_INS_1190	V007A	G050A		200.0000			<-200
1217	RF-00002917-PAR		LC-MS/MS	AT06A	F027A		PNP_INS_1190	V007A	G050A		20.0000			<-20
1218	RF-00000015-VET		LC-MS/MS	AT06A	F027A		PNP_INS_1190	V007A	G050A		10.0000			<-10
1219	RF-0980-001-PPP		LC-MS/MS	AT06A	F027A		PNP_INS_1190	V007A	G050A		10.0000			<-10

# EFSA Data Collection Framework (DCF)

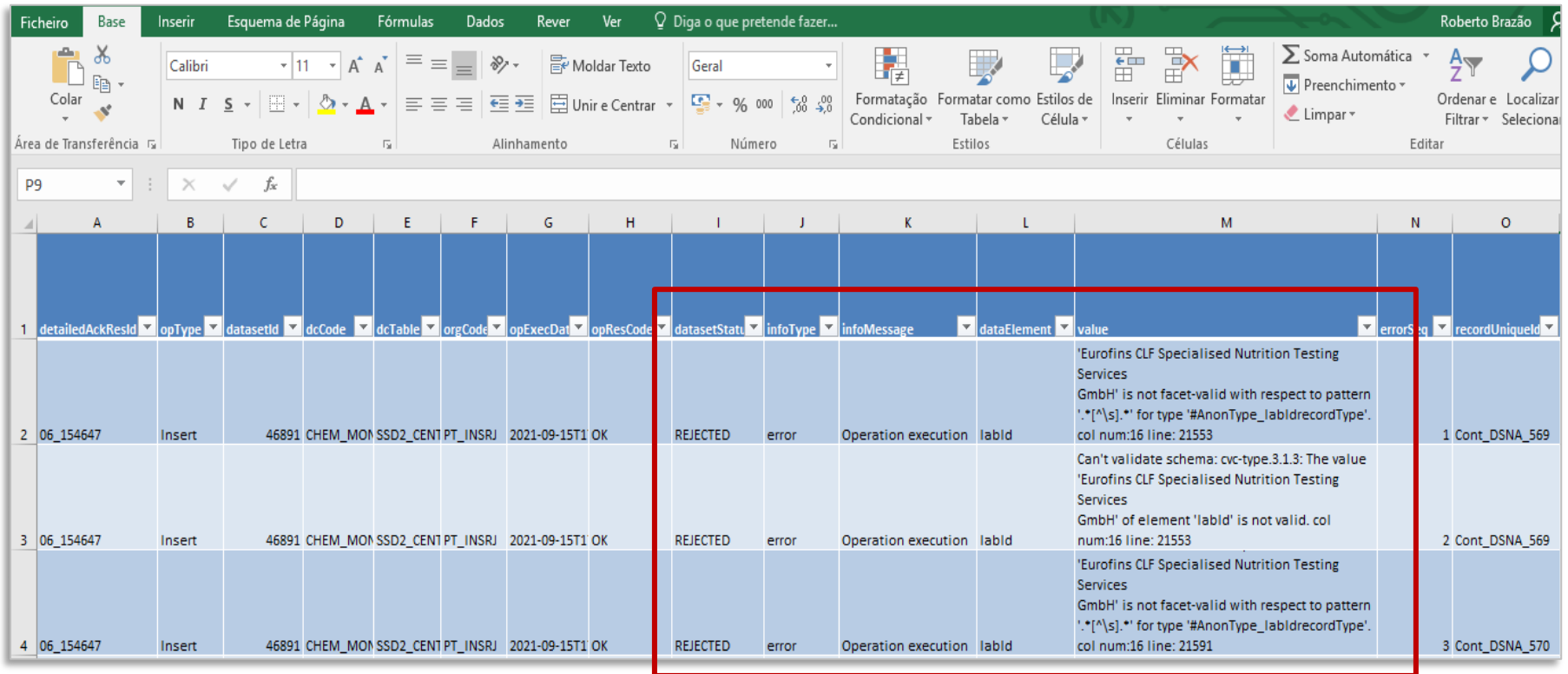
Transmission of the **XML file** to the EFSA Data Collection Framework – FILE SUCCESSFULLY UPLOADED

The screenshot displays the EFSA Data Collection Framework (DCF) web interface. The browser address bar shows the URL: `dcf.efsa.europa.eu/dcf-war/?wicket:interface=:0:3::`. The page header includes the EFSA logo and the text "Data Collection Framework" with a quote: "The first law of dietetics seems to be: If it tastes good, it's bad for you" (Isaac Asimov). Below the header, there is a user greeting: "Hello Roberto BRAZÃO! Instituto Nacional de Saúde Dr. Ricardo Jorge". The main content area is titled "Data Upload" and "Catalogues". On the left, a tree view shows the directory structure, including "data collections", "Additives", "Chemical Contaminants", "Chemical Monitoring", and "CHEM\_MON\_SSD2\_WF2". The "datasets" folder is selected. The main content area shows the "Upload page" for the "Tablename" "SSD2\_CENTRAL\_2021". There is an "Input file" section with a button "Escolher ficheiro" and a message: "Nenhum ficheiro selecionado. File successfully uploaded. Assigned Message Id: 154552". A large green checkmark is overlaid on the right side of the page, indicating a successful upload.

# EFSA Data Collection Framework (DCF)

## MESSAGE ACKNOWLEDGMENT - DETAILS

Dataset Status: **REJECTED**



	detailedAckResId	opType	datasetId	dcCode	dcTable	orgCode	opExecDat	opResCode	datasetStatu	infoType	infoMessage	dataElement	value	errors	recordUniqueld
2	06_154647	Insert	46891	CHEM_MON	SSD2_CENT	PT_INSRJ	2021-09-15T1	OK	REJECTED	error	Operation execution	labId	'Eurofins CLF Specialised Nutrition Testing Services GmbH' is not facet-valid with respect to pattern '.*[\s].*' for type '#AnonType_labIdrecordType'. col num:16 line: 21553		1 Cont_DSNA_569
3	06_154647	Insert	46891	CHEM_MON	SSD2_CENT	PT_INSRJ	2021-09-15T1	OK	REJECTED	error	Operation execution	labId	Can't validate schema: cvc-type.3.1.3: The value 'Eurofins CLF Specialised Nutrition Testing Services GmbH' of element 'labId' is not valid. col num:16 line: 21553		2 Cont_DSNA_569
4	06_154647	Insert	46891	CHEM_MON	SSD2_CENT	PT_INSRJ	2021-09-15T1	OK	REJECTED	error	Operation execution	labId	'Eurofins CLF Specialised Nutrition Testing Services GmbH' is not facet-valid with respect to pattern '.*[\s].*' for type '#AnonType_labIdrecordType'. col num:16 line: 21591		3 Cont_DSNA_570

# EFSA Data Collection Framework (DCF)

Dataset Status: **REJECTED**

The screenshot shows an Excel spreadsheet with a table of data. The table has columns for origCountry, origFishAreaCode, analysisYear, anMatCode, anPortS, labId, labAccr, and labCountry. A red box highlights a cell in the labId column for row 568, which contains two lines of text: "Eurofins CLF Specialised Nutrition Testing Services GmbH" and "Eurofins CLF Specialised Nutrition Testing Services GmbH". A large red 'X' is drawn over this cell, and a red arrow points from the text below to the cell.

	origCountry	origFishAreaCode	analysisYear	anMatCode	anPortS	labId	labAccr	labCountry
565	PL		2021			Eurofins WEJ Contaminants GmbH	L001A	DE
566	PL		2021			Eurofins WEJ Contaminants GmbH	L001A	DE
567	PL		2021			Eurofins WEJ Contaminants GmbH	L001A	DE
568	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
569	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
570	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
571	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
572	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
573	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
574	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
575	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
576	PL		2021			Eurofins Lab zeeuws-vlaanderen	L001A	NL
577	PL						L001A	NL
578	PL						L001A	NL
579	PL						L001A	NL
593	PL						L001A	NL
594	PL						L001A	NL

labId = text in 2 lines in the same cell

# EFSA Data Collection Framework (DCF)

## MESSAGE ACKNOWLEDGMENT - DETAILS

Dataset Status: **REJECTED**

The screenshot shows an Excel spreadsheet with a table of dataset records. The table has columns for various attributes including 'datasetStatus', 'infoType', 'infoMessage', and 'value'. A red box highlights the 'infoMessage' column for rows 2 through 5, which all have a 'REJECTED' status. The error messages in this column are:

- Can't validate schema: cvc-maxLength-valid: Value 'Eurofins CLF Specialised Nutrition Testing Services GmbH' with length = '56' is not facet-valid with respect to maxLength '50' for type '#AnonType\_labIdrecordType'. col num:84 line: 21552
- Can't validate schema: cvc-type.3.1.3: The value 'Eurofins CLF Specialised Nutrition Testing Services GmbH' of element 'labId' is not valid. col num:84 line: 21552
- Can't validate schema: cvc-maxLength-valid: Value 'Eurofins CLF Specialised Nutrition Testing Services GmbH' with length = '56' is not facet-valid with respect to maxLength '50' for type '#AnonType\_labIdrecordType'. col num:84 line: 21589
- Can't validate schema: cvc-type.3.1.3: The value 'Eurofins CLF Specialised Nutrition Testing Services GmbH' of element 'labId' is not valid. col num:84 line: 21589

	detailedAckResId	opType	datasetId	dcCode	dcTable	orgCode	opExecDate	opExecTime	datasetStatus	infoType	infoMessage	dataElement	value	errorSeq	recordUniqueId
1															
2	06_154649	Replace	46891	CHEM_MO	SSD2_CEN	PT_INSRJ	2021-09-15T17:00:00		REJECTED	error	Operation execution labId		Can't validate schema: cvc-maxLength-valid: Value 'Eurofins CLF Specialised Nutrition Testing Services GmbH' with length = '56' is not facet-valid with respect to maxLength '50' for type '#AnonType_labIdrecordType'. col num:84 line: 21552	1	Cont_DSNA_569
3	06_154649	Replace	46891	CHEM_MO	SSD2_CEN	PT_INSRJ	2021-09-15T17:00:00		REJECTED	error	Operation execution labId		Can't validate schema: cvc-type.3.1.3: The value 'Eurofins CLF Specialised Nutrition Testing Services GmbH' of element 'labId' is not valid. col num:84 line: 21552	2	Cont_DSNA_569
4	06_154649	Replace	46891	CHEM_MO	SSD2_CEN	PT_INSRJ	2021-09-15T17:00:00		REJECTED	error	Operation execution labId		Can't validate schema: cvc-maxLength-valid: Value 'Eurofins CLF Specialised Nutrition Testing Services GmbH' with length = '56' is not facet-valid with respect to maxLength '50' for type '#AnonType_labIdrecordType'. col num:84 line: 21589	3	Cont_DSNA_570
5	06_154649	Replace	46891	CHEM_MO	SSD2_CEN	PT_INSRJ	2021-09-15T17:00:00		REJECTED	error	Operation execution labId		Can't validate schema: cvc-type.3.1.3: The value 'Eurofins CLF Specialised Nutrition Testing Services GmbH' of element 'labId' is not valid. col num:84 line: 21589	4	Cont_DSNA_570

# EFSA Data Collection Framework (DCF)

Dataset Status: **REJECTED**

The screenshot shows an Excel spreadsheet with a table of data. The table has columns for 'origCountry', 'origFishAreaCode', 'analysisYear', 'anMatCode', 'anPortS', 'labId', 'labAccr', and 'labCoun'. A red box highlights a row where the 'labId' cell contains the text 'Eurofins CLF Specialised Nutrition Testing Services GmbH'. A large red 'X' is drawn over this cell, and a red arrow points from it to a text box at the bottom of the slide that reads 'labId = text with too many characters'.

	origCountry	origFishAreaCode	analysisYear	anMatCode	anPortS	labId	labAccr	labCoun
565	PL		2021			Eurofins WEJ Contaminants GmbH	L001A	DE
566	PL		2021			Eurofins WEJ Contaminants GmbH	L001A	DE
567	PL		2021			Eurofins WEJ Contaminants GmbH	L001A	DE
568	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
569	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
570	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
571	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
572	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
573	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
574	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
575	PL		2021			Eurofins CLF Specialised Nutrition Testing Services GmbH	L001A	DE
576	PL		2021			Eurofins Lab zeeuws-vlaanderen	L001A	NL
577	PL						L001A	NL
578	PL						L001A	NL
579	PL						L001A	NL
593	PL						L001A	NL
594	PL						L001A	NL

labId = text with too many characters

# EFSA Data Collection Framework (DCF)

Dataset Status: **REJECTED**

The screenshot shows an Excel spreadsheet with a table of data. A red 'X' is drawn over a cell in the 'resLOQ' column, which contains the long alphanumeric string '2.44388557666504'. A red arrow points from this cell to a text box on the right. The table has columns labeled AH, AI, AJ, AK, AL, AM, and AO. The rows contain numerical values and alphanumeric codes.

	AH	AI	AJ	AK	AL	AM	AO
1	resid	accredProc	resUnit	resLOD	resLOQ	CCalpha	
2	5000719_1	V001A	G061A	8.7	35		2725
3	5000448_5	V001A	G062A	1.1	3.7		19
4	5000674_3	V005A	G061A	0.06	2.4		11
5	5000400_4	V001A	G061A	1.3	4.9		40
6	5000650_5	V001A	G050A	1.2	4.9		10083
7	5000447_6	V001A	G062A	0.6	2.4		22
8	5000650_7	V001A	G062A	1.1	4.9		126
9	5000676_8	V005A	G061A	1.1	4.9		808
10	5000716_9	V005A	G061A	11	49		3608
11	5000439_10	V001A	G062A	0.6	2.4		48
12	5000509_11	V001A	G062A	1.3	4.9		126
13	5000653_15	V001A	G061A	1.2	4.9		16786
14	5000648_13	V005A	G061A	0.3	2.4		11
15	5000440_14	V001A	G062A	1.1	4.9		
16	5005857_15	V001A	G050A	8.7	53		2187
17	5005857_16	V001A	G050A	1.7	5.3		113
18	5005857_17	V001A	G050A	0.08	3.5		10
19	5005857_18	V001A	G050A	1.8	7.0		65
20	5005857_19	V001A	G050A	1.7	7.0		141
21	5005857_50	V001A	G050A	0.8	3.5		
22	5005857_51	V001A	G050A	1.5	7.0		
23	5000514_55	V001A	G062A	1.5	7.0		510

Exceeds the maximum number of characters in a cell.

(Values copied directly from the results files extracted from the laboratory management software)

# EFSA Data Collection Framework (DCF)

## MESSAGE ACKNOWLEDGMENT - DETAILS

Dataset Status: **REJECTED EDITABLE**

The screenshot shows an Excel spreadsheet with the following data:

Row	infoType	infoMessage	businessRuleCode	dataElement	value
2102				sampY	2020
2103					
2104					
2105					
2106	error	The sample taken or matrix sampled descriptors (sections D, E) or sampEventId are not constant for all records with the same sampId; following dataset involved:46773			
2107			GBR3		
2108					
2109				origArea	Not available
2110				origArea	Not available
2140				sampMatInfo	Not available
2141				sampMatText	Vinho - Tinto - SECO 2019
2142				sampMatText	Vinho - Tinto - Seco 2019
2143				sampMatType	S019A
2144				sampMatType	S019A
2145				sampSize	Not available
2146				sampSize	Not available
2147				sampUnitSize	Not available
2148				sampUnitSize	Not available
2149				sampY	2020
2150				sampY	2020

A red box highlights the error message in row 2106. A red arrow points from a text box to the 'sampMatText' cells in rows 2141 and 2142.

Case-sensitive  
(SECO ≠ Seco)

# EFSA Data Collection Framework (DCF)

## MESSAGE ACKNOWLEDGMENT - DETAILS

Dataset Status: **REJECTED EDITABLE**

The screenshot shows an Excel spreadsheet with the following data:

datasetStatus	infoType	infoMessage	businessRuleCode	dataElement	value	errorSeq	recordUniqueId
REJECTED_EDITABLE	error	paramType is missing or not correct; P004A or P005A should be reported for multicomponents/sum to indicate if the full analysis has been performed as indicated by paramCode;	LL_03	paramCode.base	RF-00000435-TOX		

Chemical Monitoring Reporting Guidance

Starting from 2021 data collection, the use and meaning of paramType has been revised with the aim making data reporting easier. This data element is now optional and EFSA will automatically pre-assign the paramType in those cases in which the paramCode/paramType combination is unambiguous. However, in case of multicomponent paramCode calculated from measurements of individual components, or sum of individual parameter, the paramType should still be reported to indicate if all the expected parts as described by the parameter name have been analysed and summed up or not.

# EFSA Data Collection Framework (DCF)

## MESSAGE ACKNOWLEDGMENT - DETAILS

Dataset Status: **REJECTED EDITABLE**

datasetStatus	infoType	infoMessage	businessRuleCode	dataElement	value	numRe
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOD	0.004	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOD	0.004	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOD	0.004	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOD	0.004	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOD	0.004	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOD	0.004	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOD	0.004	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOD	0.004	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOD	0.004	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOD	0.004	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOD	0.004	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOD	0.004	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOD	0.004	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOQ	0.001	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOQ	0.001	
REJECTED_EDITABLE	error	resLOD is not less than or equal to resLOQ;	GBR37	resLOQ	0.001	

# EFSA Data Collection Framework (DCF)

Dataset Status: **REJECTED EDITABLE**

The screenshot shows an Excel spreadsheet with the following data:

resid	accredProc	resUnit	resLOD	resLOQ	ccAlp	ccBe	resV	resValR	resValRecC	exprRes	exprResPerc.fatPe	exprResTy	resQualVal	resType
PT_PT_XPTO_7	V001A	G080A	0,002	0,006			0,3							VAL
PT_PT_XPTO_8	V001A	G080A	0,02	0,06			0,08							VAL
PT_PT_XPTO_9	V001A	G061A	0,004	0,001			0,019							VAL
PT_PT_XPTO_10	V001A	G080A	0,002	0,006			0,12							VAL
PT_PT_XPTO_11	V001A	G080A	0,02	0,06			0,07							VAL
PT_PT_XPTO_24	V001A	G061A	0,004	0,001			0,033							VAL
PT_PT_XPTO_25	V001A	G080A	0,002	0,006			0,018							VAL
PT_PT_XPTO_26	V001A	G080A	0,02	0,06										VAL
PT_PT_XPTO_5	V001A	G061A	0,004	0,001			0,016							VAL
PT_PT_XPTO_31	V001A	G080A	0,002	0,006			0,06							VAL
PT_PT_XPTO_32	V001A	G080A	0,02	0,06			0,07							VAL
PT_PT_XPTO_36	V001A	G061A	0,004	0,001			0,012							VAL
PT_PT_XPTO_37	V001A	G080A	0,002	0,006			0,11							VAL
PT_PT_XPTO_38	V001A	G080A	0,02	0,06			0,31							VAL
PT_PT_XPTO_8	V001A	G061A	0,004	0,001			0,037							VAL
PT_PT_XPTO_1	V001A	G080A	0,002	0,006										LOD
PT_PT_XPTO_2	V001A	G080A	0,02	0,06										LOD
PT_PT_XPTO_123	V001A	G061A	0,004	0,001			0,07							VAL
PT_PT_XPTO_4	V001A	G080A	0,002	0,006										LOD

A callout box with the text "Alter '0,001' by '0,011'" has arrows pointing to the 'resLOQ' cells containing '0,001' in rows 4, 7, 10, 13, and 16.

# EFSA Data Collection Framework (DCF)

## MESSAGE ACKNOWLEDGMENT - DETAILS

Dataset Status: **REJECTED EDITABLE**

The screenshot shows an Excel spreadsheet with the following data:

datasetStatus	infoType	infoMessage	businessRuleCode	dataElement
9857	REJECTED_EDITABLE			
9858	REJECTED_EDITABLE			
9859	REJECTED_EDITABLE			
9860	REJECTED_EDITABLE	warning		
9861	REJECTED_EDITABLE	WARNING: the selected resType is VAL for a result that contains a value less than the reported LOQ;		
9862	REJECTED_EDITABLE		CHEMON41	
9863	REJECTED_EDITABLE			resLOQ
9864	REJECTED_EDITABLE			resLOQ
9865	REJECTED_EDITABLE			resType
9866	REJECTED_EDITABLE			resType
9867	REJECTED_EDITABLE			resVal
9868	REJECTED_EDITABLE			resVal
9869	REJECTED_EDITABLE			
9870	REJECTED_EDITABLE			
9871	REJECTED_EDITABLE			

A red box highlights the warning message in row 9861. A status bar at the top of the spreadsheet area displays the warning: "WARNING: the selected resType is VAL for a result that contains a value less than the reported LOQ;".

# EFSA Data Collection Framework (DCF)

Dataset Status: **REJECTED EDITABLE**

	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	A
1	resid	accredProc	resUnit	resLOD	resLOQ	ccAlpha	ccBeta	resVal	resValRec	resValRecCorr	exprResPer	exprResPerc.fatPerc	exprResType	resQualValue	resType	resValUncert	resInfo.no
2	XPTO_PT_1	V001A	G080A		0,27			0,303							VAL		
3	XPTO_PT_2	V001A	G080A		0,19										LOQ		
4	XPTO_PT_3	V001A	G080A		0,13										LOQ		
5	XPTO_PT_4	V001A	G080A		0,13										LOQ		
6	XPTO_PT_5	V001A	G080A		0,2										LOQ		
7	XPTO_PT_6	V001A	G080A		0,17										LOQ		
14	XPTO_PT_13	V001A	G080A		0,19										LOQ		
15	XPTO_PT_14	V001A	G080A		0,063										LOQ		
16	XPTO_PT_15	V001A	G080A		0,17										LOQ		
17	XPTO_PT_16	V001A	G080A		1,8			1,22							VAL		
18	XPTO_PT_17	V001A	G080A		0,13										LOQ		
19	XPTO_PT_18	V001A	G080A		0,13										LOQ		
131	XPTO_PT_132	V001A	G080A		47			101							VAL		
132	XPTO_PT_133	V001A	G080A		1,3										LOQ		
133	XPTO_PT_134	V001A	G080A		3,7			2,93							VAL		
134	XPTO_PT_135	V001A	G080A		0,33			0,341							VAL		
135	XPTO_PT_136	V001A	G080A		0,33			0,501							VAL		
187	XPTO_PT_188	V001A	G080A		0,13										LOQ		
188	XPTO_PT_189	V001A	G080A		47			38,9							VAL		
189	XPTO_PT_190	V001A	G080A		0,2										LOQ		

# EFSA Data Collection Framework (DCF)

## MESSAGE ACKNOWLEDGMENT - DETAILS

Dataset Status: **REJECTED EDITABLE**

The screenshot shows an Excel spreadsheet with the following data:

datasetStatus	infoType	infoMessage	businessRuleCode	dataElement	value	errorSeq	recordUniqueId
REJECTED_EDITABLE	error	sampMatCode.legis is not reported or does not contain specific product code, though paramCode is acrylamide (it is mandatory to provide additional product classification based on Commission Regulation (EU) 2017/2158 and (EU) 2019/1888 on acrylamide);	CHEMON12				
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		
REJECTED_EDITABLE				paramCode.base	RF-0000410-ORG		

# EFSA Data Collection Framework (DCF)

Dataset Status: **REJECTED EDITABLE**

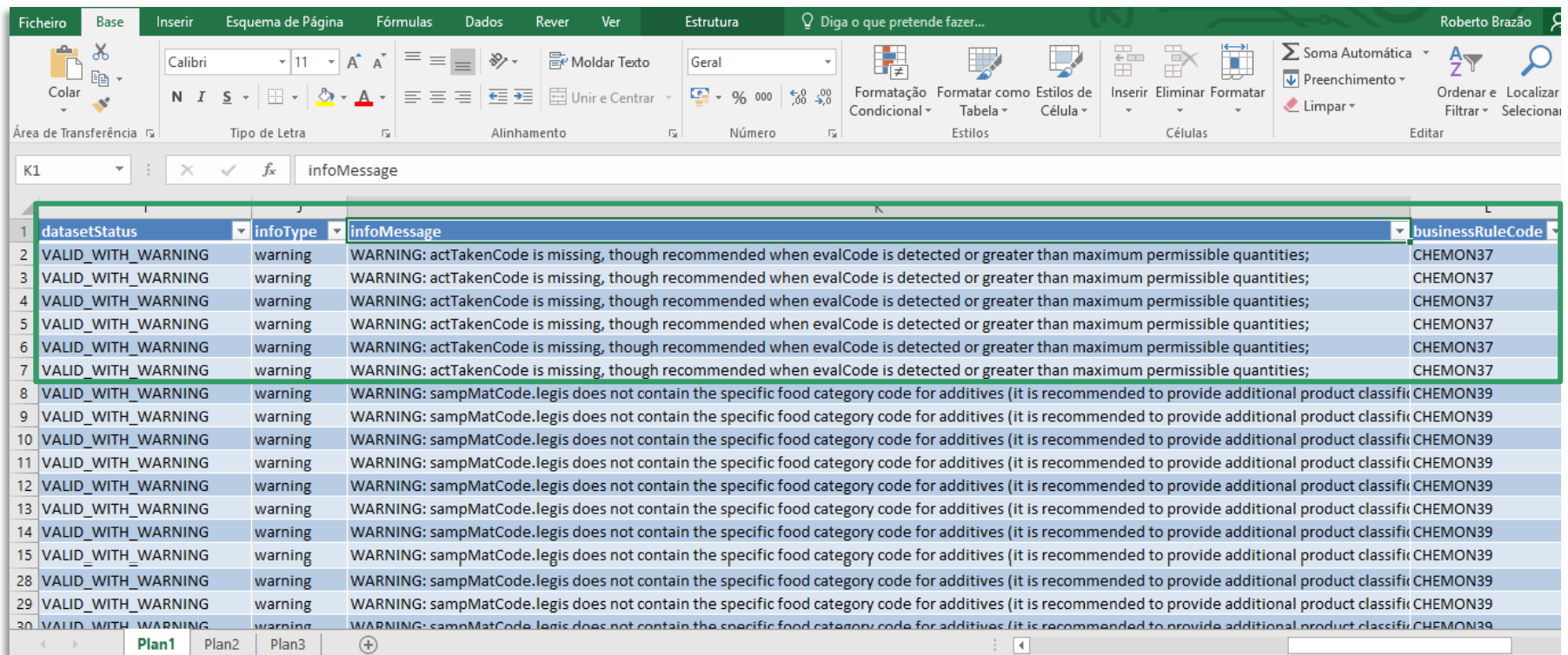
The screenshot shows an Excel spreadsheet with the following data:

	sampMatType	sampMatCode	sampMatText	origCountry	origFishAreaCode	analysisY	anMatCode	anPortSt	labId
4	S019A	A03GN#F17.A07MZ\$F33.A168B	Roast coffee	PT		2020			
5	S019A	A009Z#F28.A07GX\$F17.A07MY\$F33.A168F	Chocolate biscuit	IT		2020			
6	S019A	A011L#F17.A07MY\$F33.A169B	Potato crisps	PT					
7	S019A	A03HA#F17.A07MZ\$F33.A167Z	Coffee substitutes from barley	PT					
135	S019A	A03HA#F17.A07MZ\$F33.A167Z	Ground roasted barley	PT					
136	S019A	A03GN#F17.A07MZ\$F33.A168B	Roast coffee	PT					
137	S019A	A011L#F17.A07MY\$F33.A169B	Potato crisps	PT					
232	S019A	A0BY0#F28.A07GX\$F17.A07MZ\$F33.A168Q	Bread	PT					
233	S019A	A011L#F17.A07MY\$F33.A169B	Potato crisps	PT					
234	S019A	A005Y#F04.A042P\$F17.A07MY\$F33.A168H	Salty crackers	PT		2020			
235	S019A	A009V#F28.A07GX\$F17.A07MY\$F33.A168F	Biscuits	PT		2020			
236	S019A	A009V#F28.A07GX\$F17.A07MY\$F33.A168F	Biscuits	PT		2020			
362	S019A	A004Y#F17.A07MY\$F33.A168T	Wheat bread	PT		2021			

# EFSA Data Collection Framework (DCF)

## MESSAGE ACKNOWLEDGMENT - DETAILS

Dataset Status: **VALID WITH WARNINGS**



datasetStatus	infoType	infoMessage	businessRuleCode
VALID_WITH_WARNING	warning	WARNING: actTakenCode is missing, though recommended when evalCode is detected or greater than maximum permissible quantities;	CHEMON37
VALID_WITH_WARNING	warning	WARNING: actTakenCode is missing, though recommended when evalCode is detected or greater than maximum permissible quantities;	CHEMON37
VALID_WITH_WARNING	warning	WARNING: actTakenCode is missing, though recommended when evalCode is detected or greater than maximum permissible quantities;	CHEMON37
VALID_WITH_WARNING	warning	WARNING: actTakenCode is missing, though recommended when evalCode is detected or greater than maximum permissible quantities;	CHEMON37
VALID_WITH_WARNING	warning	WARNING: actTakenCode is missing, though recommended when evalCode is detected or greater than maximum permissible quantities;	CHEMON37
VALID_WITH_WARNING	warning	WARNING: actTakenCode is missing, though recommended when evalCode is detected or greater than maximum permissible quantities;	CHEMON37
VALID_WITH_WARNING	warning	WARNING: sampMatCode.legis does not contain the specific food category code for additives (it is recommended to provide additional product classific	CHEMON39
VALID_WITH_WARNING	warning	WARNING: sampMatCode.legis does not contain the specific food category code for additives (it is recommended to provide additional product classific	CHEMON39
VALID_WITH_WARNING	warning	WARNING: sampMatCode.legis does not contain the specific food category code for additives (it is recommended to provide additional product classific	CHEMON39
VALID_WITH_WARNING	warning	WARNING: sampMatCode.legis does not contain the specific food category code for additives (it is recommended to provide additional product classific	CHEMON39
VALID_WITH_WARNING	warning	WARNING: sampMatCode.legis does not contain the specific food category code for additives (it is recommended to provide additional product classific	CHEMON39
VALID_WITH_WARNING	warning	WARNING: sampMatCode.legis does not contain the specific food category code for additives (it is recommended to provide additional product classific	CHEMON39
VALID_WITH_WARNING	warning	WARNING: sampMatCode.legis does not contain the specific food category code for additives (it is recommended to provide additional product classific	CHEMON39
VALID_WITH_WARNING	warning	WARNING: sampMatCode.legis does not contain the specific food category code for additives (it is recommended to provide additional product classific	CHEMON39
VALID_WITH_WARNING	warning	WARNING: sampMatCode.legis does not contain the specific food category code for additives (it is recommended to provide additional product classific	CHEMON39
VALID_WITH_WARNING	warning	WARNING: sampMatCode.legis does not contain the specific food category code for additives (it is recommended to provide additional product classific	CHEMON39
VALID_WITH_WARNING	warning	WARNING: sampMatCode.legis does not contain the specific food category code for additives (it is recommended to provide additional product classific	CHEMON39
VALID_WITH_WARNING	warning	WARNING: sampMatCode.legis does not contain the specific food category code for additives (it is recommended to provide additional product classific	CHEMON39
VALID_WITH_WARNING	warning	WARNING: sampMatCode.legis does not contain the specific food category code for additives (it is recommended to provide additional product classific	CHEMON39
VALID_WITH_WARNING	warning	WARNING: sampMatCode.legis does not contain the specific food category code for additives (it is recommended to provide additional product classific	CHEMON39

# EFSA Data Collection Framework (DCF)

Dataset Status: **VALID WITH WARNINGS**

The screenshot shows an Excel spreadsheet with a table of terms and their extended names. The table has two columns: 'termCode' and 'termExtendedName'. The terms range from A to W. A callout box highlights the 'actTakenCode' column, and a text box explains that this column must be populated with the corresponding code from the ACTION catalogue.

termCode	termExtendedName
A	Administrative consequences
B	Intensified checks before release
C	Follow-up action due to a residue of a pesticide detected in a EU sample, which is not approved for use in the EU territory
D	Denial of community aid
E	Destruction of animals and/or products.
F	Follow-up (suspect) sampling
G	Follow-up action due to the residue of a pesticide detected in a domestic product, which is not authorized in the country
I	Follow-up investigation
M	Lot not released on the market
N	No action
O	Other
P	Follow-up action due to a pesticide residue detected in an organic sample, violating the provisions laid down in the organic farming
R	Rapid Alert Notification
S	Lot recalled from the market
U	Animals and products classified as unfit for human consumption
V	Movement restriction
W	Warnings

**actTakenCode**

- SSD2 Code: N.05
- SSD2 Element: actTakenCode
- Description: Action taken
- Controlled Terminology: ACTION
- Reporting is: Optional
- SSD2 Format: xs:string(1)
- In SSD1 it was: actTakenCode
- Operational notes:  
Describe any follow-up actions taken as a result higher than the legal limit.

Must populate the cells with the correspondent code (ACTION catalogue)

# EFSA Data Collection Framework (DCF)

## MESSAGE ACKNOWLEDGMENT - DETAILS

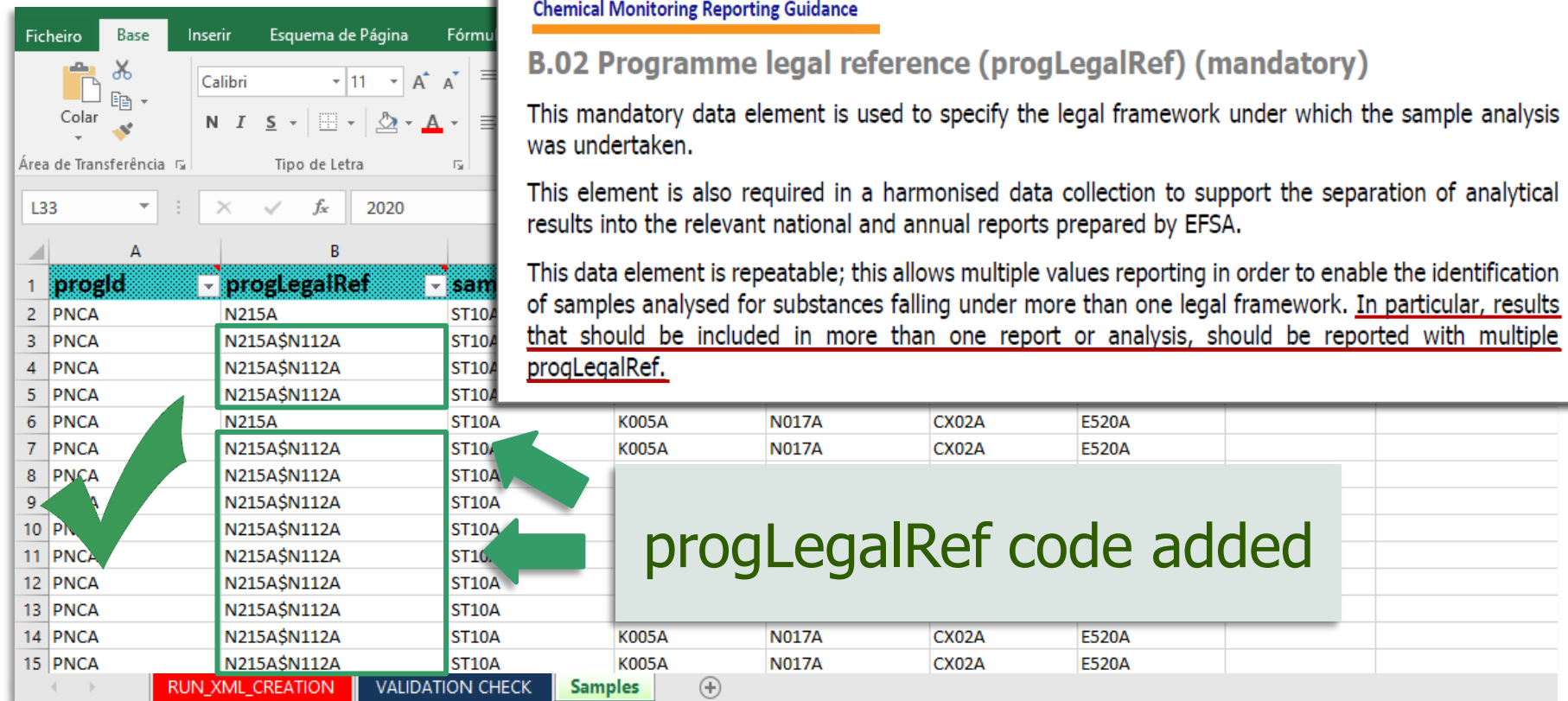
Dataset Status: **VALID WITH WARNINGS**

The screenshot shows the Microsoft Excel interface with the following data table:

opResCode	datasetStatus	infoType	infoMessage	businessRuleCode	dataElement
9869	OK	REJECTED_EDITABLE			
9870	OK	REJECTED_EDITABLE			
9871	OK	REJECTED_EDITABLE			
9872	OK	REJECTED_EDITABLE	warning		
9873	OK	REJECTED_EDITABLE	WARNING: The selected paramCode belongs to a domain different than the progLegalRef domain. Please check this record;	CHEMON68	
9874	OK	REJECTED_EDITABLE			
9875	OK	REJECTED_EDITABLE			is.add
9876	OK	REJECTED_EDITABLE			is.add
9877	OK	REJECTED_EDITABLE			is.add
9878	OK	REJECTED_EDITABLE			is.add
9879	OK	REJECTED_EDITABLE			is.add
9880	OK	REJECTED_EDITABLE			is.add
9881	OK	REJECTED_EDITABLE			is.add
9882	OK	REJECTED_EDITABLE			is.add
9883	OK	REJECTED_EDITABLE			is.add
9884	OK	REJECTED_EDITABLE			is.add
9885	OK	REJECTED_EDITABLE			is.add

# EFSA Data Collection Framework (DCF)

Dataset Status: **VALID WITH WARNINGS**



**Chemical Monitoring Reporting Guidance**

### B.02 Programme legal reference (progLegalRef) (mandatory)

This mandatory data element is used to specify the legal framework under which the sample analysis was undertaken.

This element is also required in a harmonised data collection to support the separation of analytical results into the relevant national and annual reports prepared by EFSA.

This data element is repeatable; this allows multiple values reporting in order to enable the identification of samples analysed for substances falling under more than one legal framework. In particular, results that should be included in more than one report or analysis, should be reported with multiple progLegalRef.

progId	progLegalRef	sample
PNCA	N215A	ST10A
PNCA	N215A\$N112A	ST10A
PNCA	N215A\$N112A	ST10A
PNCA	N215A\$N112A	ST10A
PNCA	N215A	ST10A
PNCA	N215A\$N112A	ST10A
PNCA	N215A\$N112A	ST10A
PNCA	N215A\$N112A	ST10A
PNCA	N215A\$N112A	ST10A
PNCA	N215A\$N112A	ST10A
PNCA	N215A\$N112A	ST10A
PNCA	N215A\$N112A	ST10A
PNCA	N215A\$N112A	ST10A
PNCA	N215A\$N112A	ST10A
PNCA	N215A\$N112A	ST10A
PNCA	N215A\$N112A	ST10A

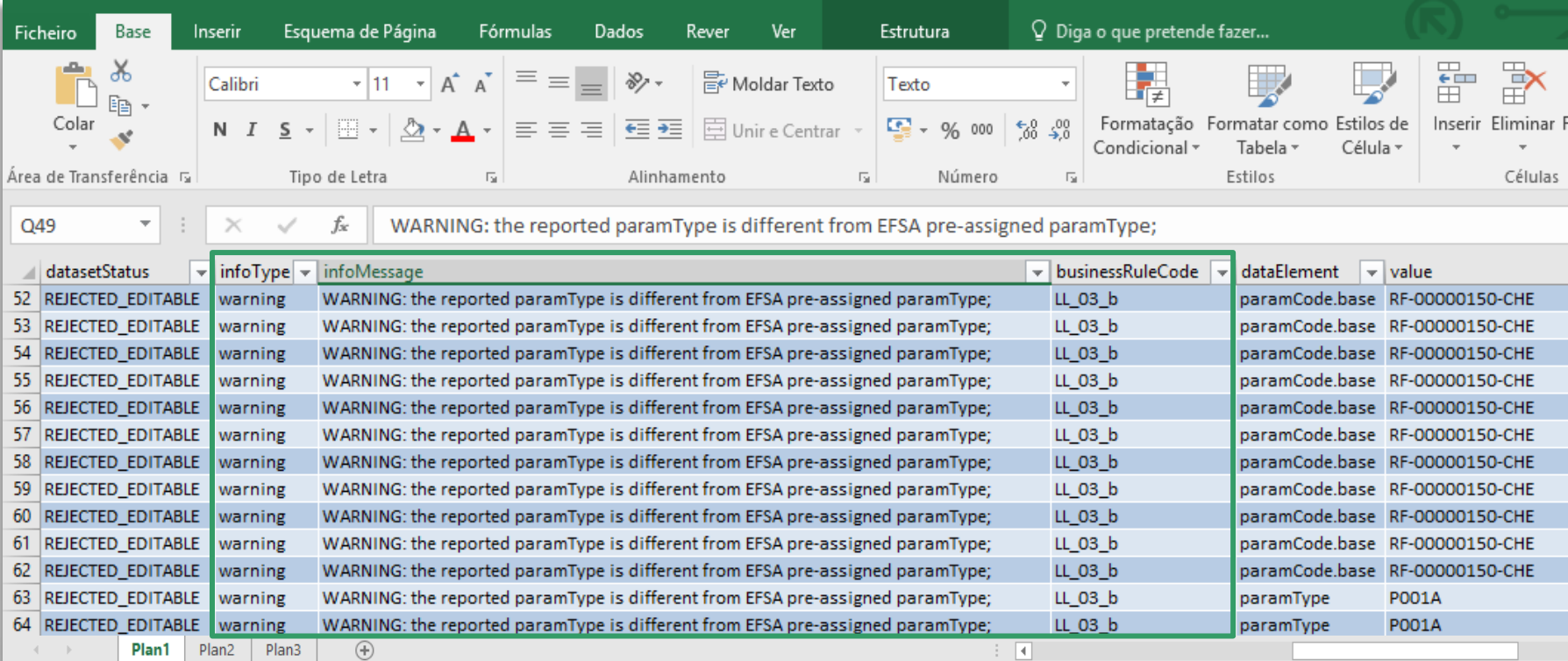
K005A	N017A	CX02A	E520A
K005A	N017A	CX02A	E520A
K005A	N017A	CX02A	E520A
K005A	N017A	CX02A	E520A

**progLegalRef code added**

# EFSA Data Collection Framework (DCF)

## MESSAGE ACKNOWLEDGMENT - DETAILS

Dataset Status: **VALID WITH WARNINGS**



The screenshot shows the Microsoft Excel interface with the following elements:

- Menu Bar:** Ficheiro, Base, Inserir, Esquema de Página, Fórmulas, Dados, Rever, Ver, Estrutura, Diga o que pretende fazer...
- Home Tab:** Colar, Área de Transferência, Tipo de Letra (Calibri, 11), Alinhamento, Número, Estilos, Inserir, Eliminar.
- Formula Bar:** Q49, WARNING: the reported paramType is different from EFSA pre-assigned paramType;
- Data Table:**

	datasetStatus	infoType	infoMessage	businessRuleCode	dataElement	value
52	REJECTED_EDITABLE	warning	WARNING: the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
53	REJECTED_EDITABLE	warning	WARNING: the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
54	REJECTED_EDITABLE	warning	WARNING: the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
55	REJECTED_EDITABLE	warning	WARNING: the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
56	REJECTED_EDITABLE	warning	WARNING: the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
57	REJECTED_EDITABLE	warning	WARNING: the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
58	REJECTED_EDITABLE	warning	WARNING: the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
59	REJECTED_EDITABLE	warning	WARNING: the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
60	REJECTED_EDITABLE	warning	WARNING: the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
61	REJECTED_EDITABLE	warning	WARNING: the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
62	REJECTED_EDITABLE	warning	WARNING: the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
63	REJECTED_EDITABLE	warning	WARNING: the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramType	P001A
64	REJECTED_EDITABLE	warning	WARNING: the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramType	P001A

# EFSA Data Collection Framework (DCF)

## MESSAGE ACKNOWLEDGMENT - DETAILS

Dataset Status: **VALID WITH WARNINGS**

The screenshot shows a software interface with a table of dataset records. A green callout box is overlaid on the table, containing text from a 'Chemical Monitoring Reporting Guidance' document. The table has columns for status, severity, warning message, and codes. A green arrow points from the callout box to the table rows.

**Chemical Monitoring Reporting Guidance**

Starting from 2021 data collection, the use and meaning of paramType has been revised with the aim making data reporting easier. This data element is now optional and EFSA will automatically pre-assign the paramType in those cases in which the paramCode/paramType combination is unambiguous. However, in case of multicomponent paramCode calculated from measurements of individual components, or sum of individual parameter, the paramType should still be reported to indicate if all the expected parts as described by the parameter name have been analysed and summed up or not.

Codes to assign the paramType are selected from the PARAMTYP catalogue; however, in order to harmonise and clarify the scope of the definition, a simplified version will be used as described in Table 4 below.

52	REJECTED_EDITABLE	warning	WARN the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
53	REJECTED_EDITABLE	warning	WARN the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
54	REJECTED_EDITABLE	warning				
55	REJECTED_EDITABLE	warning				
56	REJECTED_EDITABLE	warning				
57	REJECTED_EDITABLE	warning				
58	REJECTED_EDITABLE	warning	WARN the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
59	REJECTED_EDITABLE	warning	WARN the reported paramType is different from EFSA pre-assigned paramType;	LL_03_b	paramCode.base	RF-00000150-CHE
60	REJECTED_EDITABLE	warning				
61	REJECTED_EDITABLE	warning				
62	REJECTED_EDITABLE	warning				
63	REJECTED_EDITABLE	warning				
64	REJECTED_EDITABLE	warning				

**& in paramType association table made available by EFSA for a correct coding**

# EFSA Data Collection Framework (DCF)

## MESSAGE ACKNOWLEDGMENT - DETAILS

Dataset Status: **VALID WITH WARNINGS**

The screenshot shows an Excel spreadsheet with the following columns: datasetStatus, infoType, infoMessage, businessRuleCode, dataElement, value, and errorSeq. The 'datasetStatus' column contains 'VALID\_WITH\_WARN' for all rows. The 'infoMessage' column contains several warning messages, such as 'WARNING: sampMatCode.packmat is missing, though recommended when paramCode is a PAH;' and 'WARNING: sampMatCode.prod is missing though it is recommended to report whether the sample was obtained from the produce of traditional (non-organic) or organic farming when paramCode is a mycotoxin;'. A green box highlights the 'infoMessage' column, and a green arrow points to a callout box.

	datasetStatus	infoType	infoMessage	businessRuleCode	dataElement	value	errorSeq
1684	VALID_WITH_WARN		WARNING: sampMatCode.packmat is missing, though recommended when paramCode is a PAH;				
1808	VALID_WITH_WARN		WARNING: sampMatCode.packmat is missing, though recommended when paramCode is a PAH;				
1932	VALID_WITH_WARN		WARNING: sampMatCode.packmat is missing, though recommended when paramCode is a PAH;				
2056	VALID_WITH_WARN		WARNING: sampMatCode.packmat is missing, though recommended when paramCode is a PAH;				
2063	VALID_WITH_WARN		WARNING: sampMatCode.packmat is missing, though recommended when paramCode is a PAH;				
	VALID_WITH_WARN		WARNING: sampMatCode.prod is missing though it is recommended to report whether the sample was obtained from the produce of traditional (non-organic) or organic farming when paramCode is a mycotoxin;				
2074	VALID_WITH_WARN		WARNING: sampMatCode.prod is missing though it is recommended to report whether the sample was obtained from the produce of traditional (non-organic) or organic farming when paramCode is a mycotoxin;				
	VALID_WITH_WARN		WARNING: sampMatCode.prod is missing though it is recommended to report whether the sample was obtained from the produce of traditional (non-organic) or organic farming when paramCode is a mycotoxin;				
2118	VALID_WITH_WARN		WARNING: sampMatCode.prod is missing though it is recommended to report whether the sample was obtained from the produce of traditional (non-organic) or organic farming when paramCode is a mycotoxin;				
	VALID_WITH_WARN		WARNING: sampMatCode.prod is missing though it is recommended to report whether the sample was obtained from the produce of traditional (non-organic) or organic farming when paramCode is a mycotoxin;				
2190	VALID_WITH_WARN		WARNING: sampMatCode.prod is missing though it is recommended to report whether the sample was obtained from the produce of traditional (non-organic) or organic farming when paramCode is a mycotoxin;				
	VALID_WITH_WARN		WARNING: sampMatCode.prod is missing though it is recommended to report whether the sample was obtained from the produce of traditional (non-organic) or organic farming when paramCode is a mycotoxin;				
2262	VALID_WITH_WARN		WARNING: sampMatCode.prod is missing though it is recommended to report whether the sample was obtained from the produce of traditional (non-organic) or organic farming when paramCode is a mycotoxin;				

Not always the necessary information is provided by the entities

Business rules (BR) are provided to ensure the data submitted through the EFSA Data Collection Framework (DCF) are fit for purpose for use in EFSA's scientific assessments.

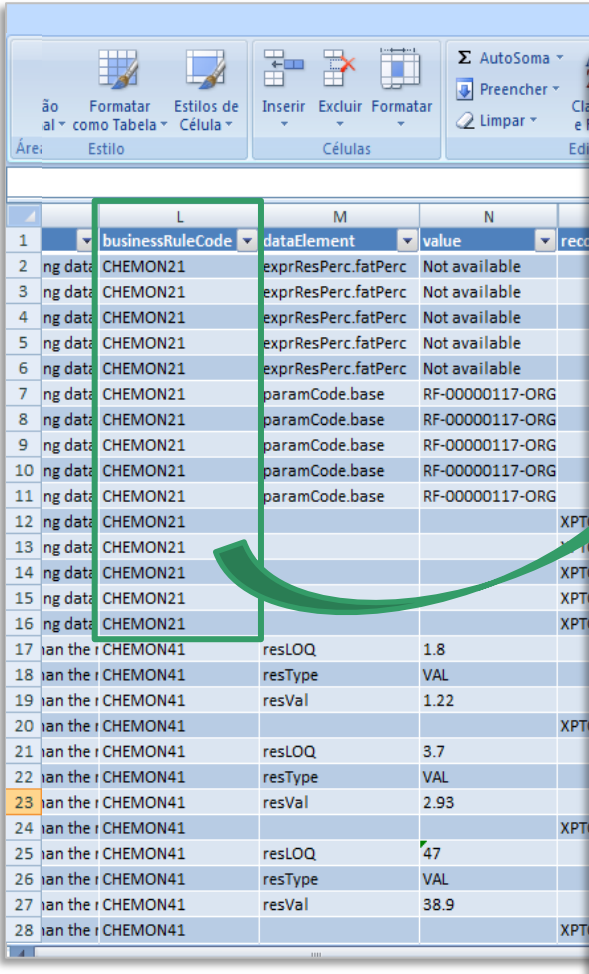
Available in:

EFSA (European Food Safety Authority), 2021.  
**Chemical monitoring reporting guidance: 2021 data collection.**

EFSA Supporting publication 2021.EN-6420. 96 pp.  
doi:10.2903/sp.efsa.2021.EN-6420

## MESSAGE ACKNOWLEDGMENT - DETAILS

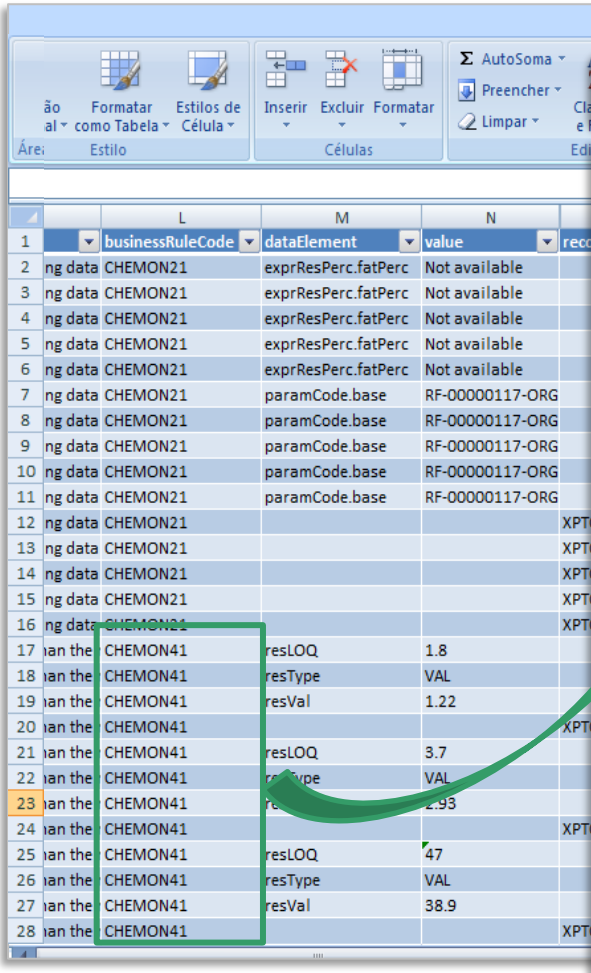
EFSA, 2021. Chemical monitoring reporting guidance: 2021 data collection.



Business Rule Code	Description	Error Message	Type of Error	Status	Comment
CHEMON21	If the value in the data element 'Parameter code' (paramCode.base) has as ancestor 'Brominated flame retardants' (RF-0000074-ORG), or 'Dioxins and PCBs' (RF-00000114-ORG), or '3-MCPDs' (RF-00000376-ORG), then a value in the data element 'Percentage of fat in the original sample' (exprResPerc.fatPerc) should be reported (regardless of whether the result value is expressed on whole weight, fat weight or dry matter);	WARNING: exprResPerc.fatPerc is missing, though recommended when reporting data on BFR, dioxins and PCBs, or 3-MCPDs;	warning	active	
CHEMON22	If the value in 'Link To Original Sample' (sampInfo.origSampId) is reported, i.e. a follow-up sample, then the value in 'Sampling Strategy' (sampStrategy) must be 'suspect sampling' (ST30A);	sampStrategy is not suspect sampling, though sampInfo.origSampId is reported;	warning	active	
CHEMON23	The value in the data element 'Analytical Method Type' (anMethType) must be equal to 'Screening' (AT06A), or 'Confirmation' (AT08A);	anMethType is not screening or confirmation;	error	active	
CHEMON24	The value in the data element 'Result qualitative value' (resQualValue) must be equal to 'negative/absent' (NEG), because neither positive screening results nor qualitative confirmation results should be reported, unless the reported 'Parameter code' (paramCode) is equal to 'MOAHs 3 to 7 ring' (RF-00011484-PAR);	resQualValue is different from negative/absent;	error	active	
CHEMON26	If the value in the data element 'Action Taken' (actTakenCode) is equal to 'Follow-up investigation' (I), then a value in the data element 'Conclusion of follow-up investigation' (evalInfo.conclusion) should	WARNING: evalInfo.conclusion is missing, though actTakenCode is follow-up investigation;	warning	active	

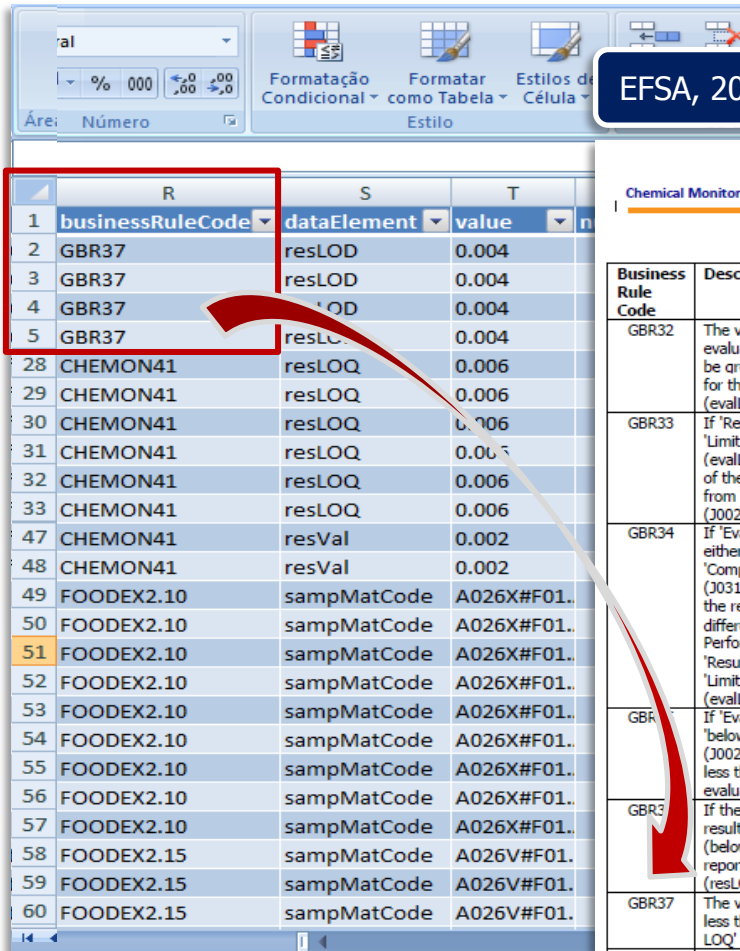
## MESSAGE ACKNOWLEDGMENT - DETAILS

**EFSA, 2021. Chemical monitoring reporting guidance: 2021 data collection.**



Business Rule Code	Description	Error Message	Type of Error	Status	Comment
CHEMON40	If the value in the data element 'Type of result' (resType) is 'Qualitative Value (Binary)' (BIN), then the data element 'Result value' (resVal) must be empty;	A numerical value for resVal is reported, though resType is qualitative value (binary, BIN). Please check the record;	error	active	
CHEMON41	If the value in the data element 'Result type' (resType) is equal to 'Numerical Value' (VAL), then the value in the data element 'Result LOQ' (resLOQ) should not be greater than the value in the data element 'Result value' (resVal) (if the result is a positive detection, the result value cannot be below the reported LOQ);	WARNING: the selected resType is VAL for a result that contains a value less than the reported LOQ;	warning	active	
CHEMON42	If the value in the data element 'Result value recovery corrected' (resValRecCorr) is equal to 'Yes' (Y), then a value in the data element 'Result value recovery' (resValRec) should be reported;	WARNING: resValRec is missing, though resValRecCorr is reported; if the result is corrected for recovery the corrected value should be reported (mean recovery in the range of 70-120%);	warning	active	
CHEMON43	The value in the data element 'Sampling year' (sampY) should be equal to the submission year minus 1;	WARNING: if this record is to be included in an EU annual report, sampYear should be the year previous to the submission year;	warning	active	The 'sampY' should typically be one less than the year in which a sample is transmitted (e.g. samples transmitted in 2021 should typically have been sampled in 2020. It is a warning because in 2021 data providers can send 2021 samples or old samples from 2019 and earlier if appropriate.
CHEMON44	A value in the data element 'Result LOQ' (resLOQ) must be reported, unless an unvalidated method is used, or notSummed=Y or the result is reported for VMPO (is not=1);	resLOQ is missing, though a value should be reported;	error	active	

## MESSAGE ACKNOWLEDGMENT - DETAILS



	R	S	T
1	businessRuleCode	dataElement	value
2	GBR37	resLOD	0.004
3	GBR37	resLOD	0.004
4	GBR37	resLOD	0.004
5	GBR37	resLOD	0.004
28	CHEMON41	resLOQ	0.006
29	CHEMON41	resLOQ	0.006
30	CHEMON41	resLOQ	0.006
31	CHEMON41	resLOQ	0.006
32	CHEMON41	resLOQ	0.006
33	CHEMON41	resLOQ	0.006
47	CHEMON41	resVal	0.002
48	CHEMON41	resVal	0.002
49	FOODEX2.10	sampMatCode	A026X#F01..
50	FOODEX2.10	sampMatCode	A026X#F01..
51	FOODEX2.10	sampMatCode	A026X#F01..
52	FOODEX2.10	sampMatCode	A026X#F01..
53	FOODEX2.10	sampMatCode	A026X#F01..
54	FOODEX2.10	sampMatCode	A026X#F01..
55	FOODEX2.10	sampMatCode	A026X#F01..
56	FOODEX2.10	sampMatCode	A026X#F01..
57	FOODEX2.10	sampMatCode	A026X#F01..
58	FOODEX2.15	sampMatCode	A026V#F01..
59	FOODEX2.15	sampMatCode	A026V#F01..
60	FOODEX2.15	sampMatCode	A026V#F01..

EFSA, 2021. Chemical monitoring reporting guidance: 2021 data collection.

Chemical Monitoring Reporting Guidance



Business Rule Code	Description	Error Message	Type of error	Status	Comment
GBR32	The value reported in 'Limit for the result evaluation (High limit)' (evalHighLimit) must be greater than the value reported in 'Limit for the result evaluation (Low limit)' (evalLowLimit);	evalHighLimit is not greater than evalLowLimit;	error	active	
GBR33	If 'Result value' (resVal) is greater than 'Limit for the result evaluation' (evalLowLimit), then the value in 'Evaluation of the result' (evalCode) must be different from 'below or equal the level of concern' (J002A);	evalCode is 'below or equal the level of concern' (J002A), though resVal is greater than evalLowLimit;	error	active	
GBR34	If 'Evaluation of the result' (evalCode) is either 'above the level of concern' (J003A) or 'Compliant due to measurement uncertainty' (J031A), and the value in 'Type of limit for the result evaluation' (evalLimitType) is different from 'Minimum Required Performance Limit (MRPL)' (W005A), then 'Result value' (resVal) must be greater than 'Limit for the result evaluation' (evalLowLimit);	resVal is lower than evalLowLimit, though evalCode is either 'above the level of concern' (J003A) or 'Compliant due to measurement uncertainty' (J031A);	error	active	
GBR35	If 'Evaluation of the result' (evalCode) is 'below or equal to the level of concern' (J002A), then 'Result value' (resVal) must be less than or equal to 'Limit for the result evaluation' (evalLowLimit);	resVal is greater than evalLowLimit, though evalCode is 'below or equal to maximum permissible quantities' (J002A);	error	active	
GBR36	If the value in the data element 'Type of result' (resType) is 'Non Detected Value (below LOD)' (LOD), then a value must be reported in the data element 'Result LOD' (resLOD);	resLOD is missing, though resType is 'Non Detected Value (below LOD)' (LOD);	error	active	
GBR37	The value in 'Result LOD' (resLOD) must be less than or equal to the value in 'Result LOQ' (resLOQ);	resLOD is not less than or equal to resLOQ;	error	active	
GBR38	The value in 'Result LOD' (resLOD) must be	resLOD is not greater than '0';	error	active	

# EFSA Data Collection Framework (DCF)

(Re)Transmission of the **XML file** to the EFSA Data Collection Framework

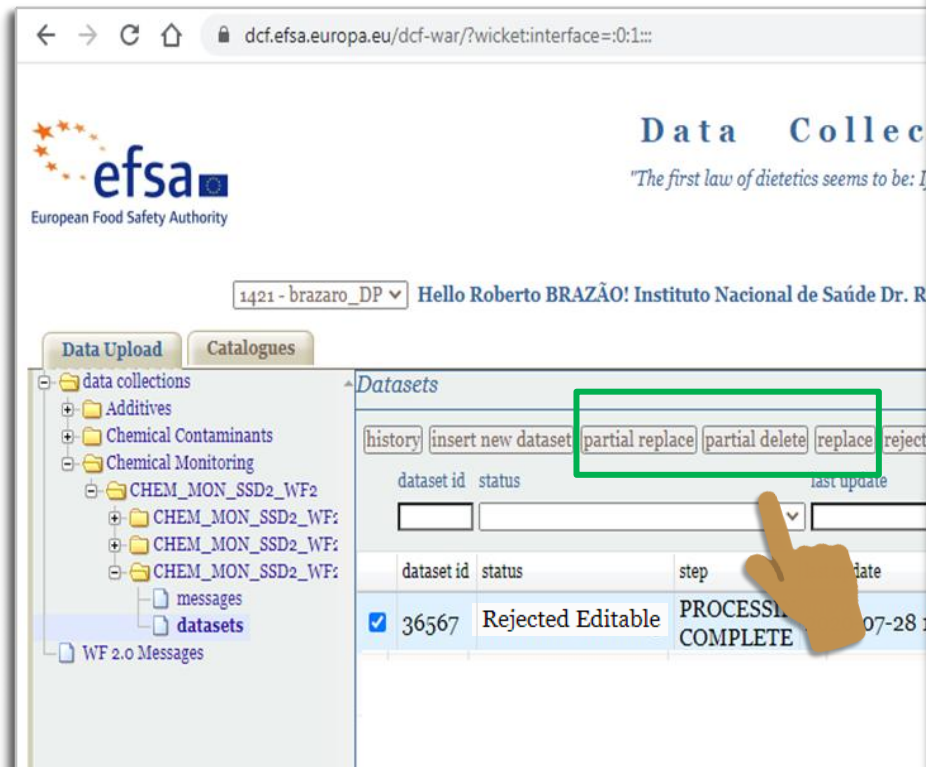
1421 - brazaro\_DP Hello Roberto BRAZÃO! Instituto Nacional de Saúde Dr. Ricardo Jorge

**Following operation:**  
Replace, Partial replace,  
Partial delete, Reject or  
Submit

dataset id	status	step	last update
36567	Valid with Warning	PROCESSING COMPLETE	07-28 15:29:13

# EFSA Data Collection Framework (DCF)

(Re)Transmission of the **XML file** to the EFSA Data Collection Framework



## Remember!

- for **'Rejected editable'** files the data provider can perform the following operations: **Replace, Partial replace, Partial delete**
- for **'Rejected'** files the data provider can only perform the following operation: **Replace**

# EFSA Data Collection Framework (DCF)

## Submitted & Accepted datasets

**Submitted** - state when a 'Valid' or 'Valid with warnings' target dataset is officially delivered by the data provider to the data receiver for additional validation.

**ACCEPTED DWH:** Final state for the dataset, which cannot be modified thereafter (Confirmation in the DWH).

dataset id	status	step
<input type="checkbox"/> 46891	Submitted	PROG
<input type="checkbox"/> 46888	Submitted	COM
<input type="checkbox"/> 46837	Valid with Warning	PROG
<input type="checkbox"/> 46773	Rejected Editable	COM
<input type="checkbox"/> 42449	Accepted DWH	COM

# Questions & Answers





The VALIDATION CHECK functionality of the EFSA Excel Reporting Tool FLAT parses the entire "Samples worksheet" to check

- if the content of all the 57 SSD2 fields are complete and controlled?
- if the controlled terminology catalogues are correctly applied?
- if the controlled terminology catalogues are correctly applied as well as if mandatory fields are complete?



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- if the content of all the 57 SSD2 fields are complete and controlled?
- if the controlled terminology catalogues are correctly applied?
- if the controlled terminology catalogues are correctly applied as well as if mandatory fields are complete;






The selected type of result (`resType`) is `VAL` for a reported result (`resVal`) that is less than the corresponding `LOQ`. This is

- an error?
- a warning?
- none of them?



The selected type of result (resType) is VAL for a reported result (resVal) that is less than the corresponding LOQ. This is

- an error?
- a warning; 
- none of them?



Starting from 2021 data collection the Type of parameter (paramType) is no longer a mandatory variable.

- reporting this field is always optional?
- reporting this field is optional for chemical contaminants but mandatory for all the remaining domains?
- reporting this field is mandatory in case of multicomponent paramCode calculated from measurements of individual components, or sum of individual parameters?



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**Thank you for your  
attention!**