

## Summary results

Sample: HEtG 21/1-A

Measurand: EtG

Statistical method: ISO 5725-5

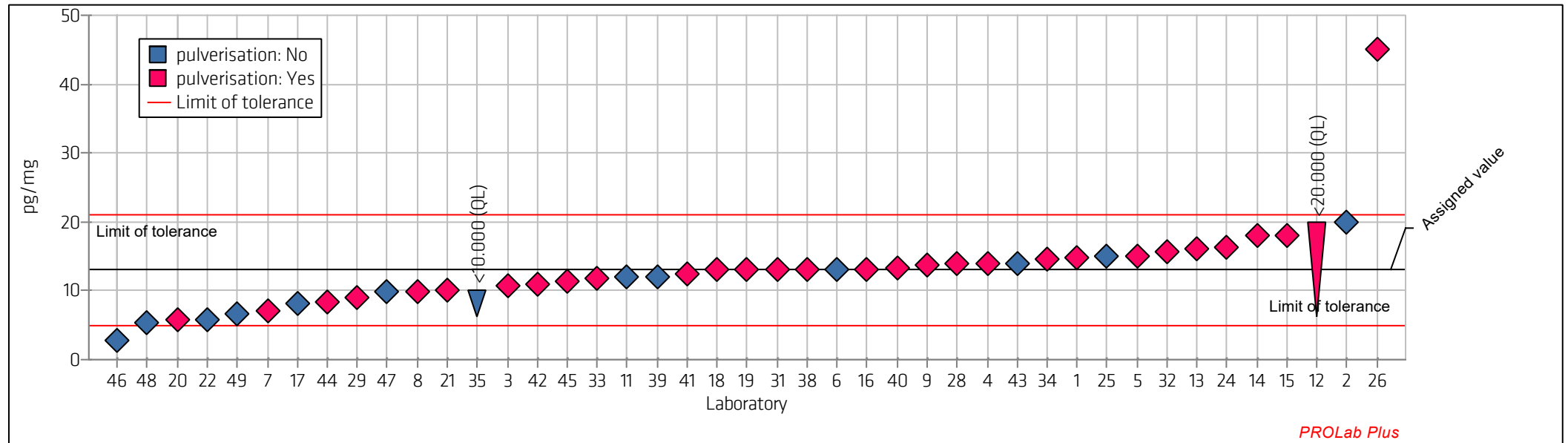
No. of measurement values: 41

Assigned value: 12.996 pg/mg (Reference value)

Target s.d.: 3.997 pg/mg (Horwitz function)

Rel. target s.d.: 30.75% (Horwitz function)

Range of tolerance: 5.002 - 20.990 pg/mg ( $|Z\text{-Score}| \leq 2.0$ )



## Summary results

Sample: HEtG 21/1-B

Measurand: EtG

Statistical method: ISO 5725-5

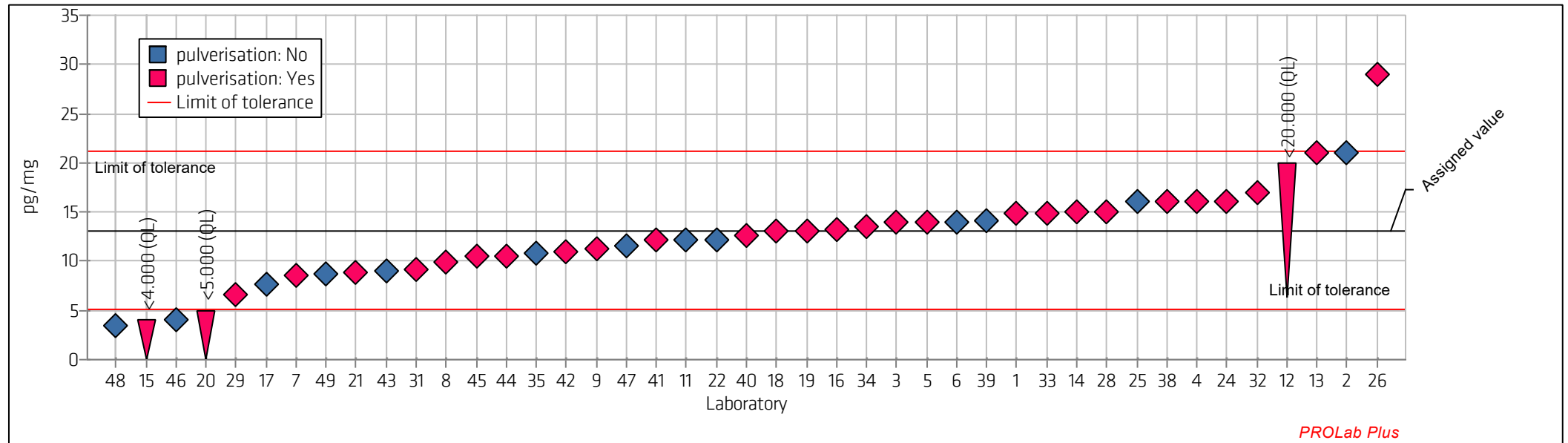
No. of measurement values: 40

Assigned value: 13.110 pg/mg (Reference value)

Target s.d.: 4.027 pg/mg (Horwitz function)

Rel. target s.d.: 30.71% (Horwitz function)

Range of tolerance: 5.057 - 21.163 pg/mg ( $|Z\text{-Score}| \leq 2.0$ )



## Summary results

Sample: HEtG 21/1-C

Measurand: EtG

Statistical method: ISO 5725-5

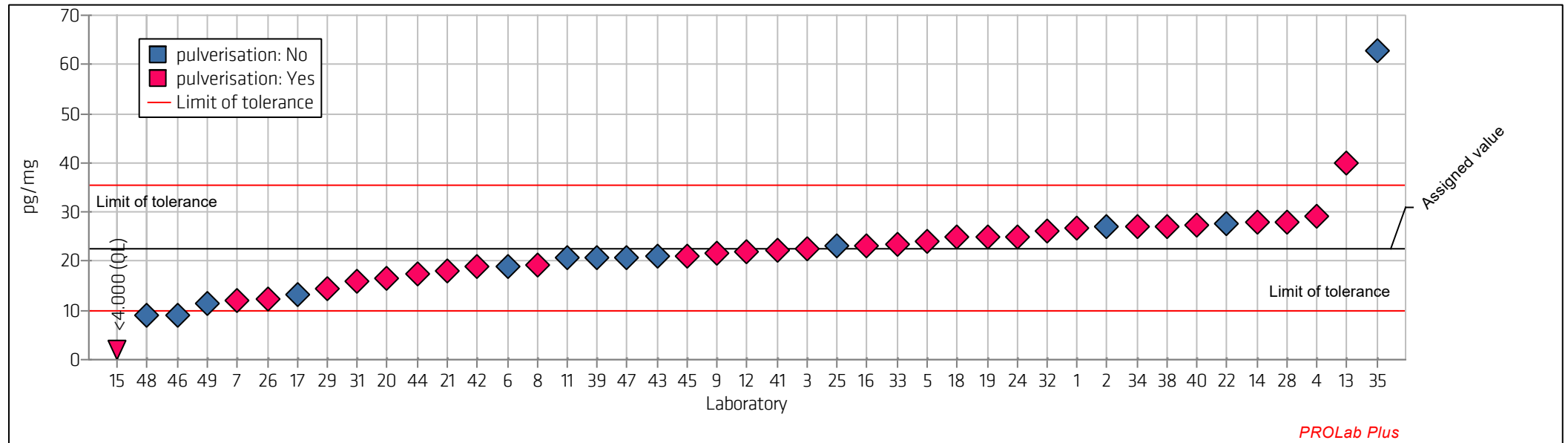
No. of measurement values: 42

Assigned value: 22.560 pg/mg (Reference value)

Target s.d.: 6.386 pg/mg (Horwitz function)

Rel. target s.d.: 28.30% (Horwitz function)

Range of tolerance: 9.789 - 35.331 pg/mg ( $|Z\text{-Score}| \leq 2.0$ )



Laboratory	HETG211 A	Z score	HETG211 B	Z score	HETG211 C	Z score	Analytical method
Unit	pg/mg		pg/mg		pg/mg		
1	14.800	0.5	14.900	0.4	26.700	0.6	LC-MS/MS
2	20.000	1.8	21.000	2.0	27.000	0.7	LC-MS/MS
3	10.800	-0.5	13.900	0.2	22.400	0.0	LC-MS/MS
4	14.000	0.3	16.000	0.7	29.000	1.0	GC-MS/MS
5	15.000	0.5	14.000	0.2	24.000	0.2	LC-MS/MS
6	13.000	0.0	14.000	0.2	19.000	-0.6	LC-MS/MS
7	7.000	-1.5	8.500	-1.1	12.000	-1.7	LC-MS/MS
8	9.900	-0.8	9.900	-0.8	19.200	-0.5	LC-MS/MS
9	13.700	0.2	11.300	-0.4	21.600	-0.2	GC-MS/MS
11	12.000	-0.2	12.200	-0.2	20.700	-0.3	LC-MS/MS
12	< 20.000		< 20.000		22.000	-0.1	LC-MS/MS
13	16.000	0.8	21.000	2.0	40.000	2.7 E	LC-MS/MS
14	18.000	1.3	15.000	0.5	28.000	0.9	LC-MS/MS
15	18.000	1.3	< 4.000		< 4.000		LC-MS/MS
16	13.100	0.0	13.200	0.0	23.200	0.1	LC-MS/MS
17	8.100	-1.2	7.700	-1.3	13.300	-1.5	LC-MS/MS
18	13.000	0.0	13.000	0.0	25.000	0.4	LC-MS/MS
19	13.000	0.0	13.000	0.0	25.000	0.4	LC-MS/MS
20	5.700	-1.8	< 5.000		16.400	-1.0	LC-MS/MS
21	10.000	-0.7	8.900	-1.0	18.000	-0.7	LC-MS/MS
22	5.810	-1.8	12.240	-0.2	27.680	0.8	GC-MS/MS
24	16.270	0.8	16.020	0.7	25.060	0.4	LC-MS/MS
25	15.000	0.5	16.000	0.7	23.000	0.1	LC-MS/MS
26	45.000	8.0 E	29.000	3.9 E	12.200	-1.6	LC-MS/MS
28	14.000	0.3	15.000	0.5	28.000	0.9	LC-MS/MS
29	9.000	-1.0	6.650	-1.6	14.280	-1.3	LC-MS/MS
31	13.000	0.0	9.200	-1.0	16.000	-1.0	LC-MS/MS
32	15.700	0.7	16.900	0.9	26.100	0.6	LC-MS/MS
33	11.700	-0.3	14.900	0.4	23.500	0.1	GC-MS/MS
34	14.500	0.4	13.500	0.1	27.000	0.7	LC-MS/MS
35	< 10.000		10.800	-0.6	62.700	6.3 E	GC-MS/MS
38	13.000	0.0	16.000	0.7	27.000	0.7	LC-MS/MS
39	12.100	-0.2	14.100	0.2	20.700	-0.3	LC-MS/MS
40	13.400	0.1	12.600	-0.1	27.300	0.7	LC-MS/MS
41	12.500	-0.1	12.100	-0.3	22.100	-0.1	LC-MS/MS
42	11.000	-0.5	11.000	-0.5	19.000	-0.6	LC-MS/MS
43	14.000	0.3	9.000	-1.0	21.000	-0.2	LC-MS/MS
44	8.400	-1.1	10.500	-0.6	17.500	-0.8	LC-MS/MS
45	11.330	-0.4	10.450	-0.7	21.050	-0.2	LC-MS/MS
46	2.760	-2.6 E	4.000	-2.3 E	8.980	-2.1 E	LC-MS/MS
47	9.900	-0.8	11.600	-0.4	20.700	-0.3	GC-MS/MS
48	5.400	-1.9	3.500	-2.4 E	8.900	-2.1 E	LC-MS/MS
49	6.590	-1.6	8.770	-1.1	11.300	-1.8	LC-MS/MS

Measurand	Sample	Class of methods	Mean	Reprod. s.d.	Rel. reproducibility s.d.	No. of laboratories
- Sample-measurand combination : HETG 21/1-A - EtG						
ETG	HETG211A	pulverisation: Yes	12.996	3.210	24.70 %	29
ETG	HETG211A	pulverisation: No	10.218	5.157	50.47 %	12
				3.882204342		41
- Sample-measurand combination : HETG 21/1-B - EtG						
ETG	HETG211B	pulverisation: Yes	13.110	3.249	24.78 %	27
ETG	HETG211B	pulverisation: No	10.946	4.896	44.73 %	13
				3.86200369		40
- Sample-measurand combination : HETG 21/1-C - EtG						
ETG	HETG211C	pulverisation: Yes	22.560	5.374	23.82 %	29
ETG	HETG211C	pulverisation: No	19.542	8.164	41.77 %	13
				6.369198337		42