

Summary results

Sample: HEtG 21/2-A

Measurand: EtG

Statistical method: ISO 5725-5

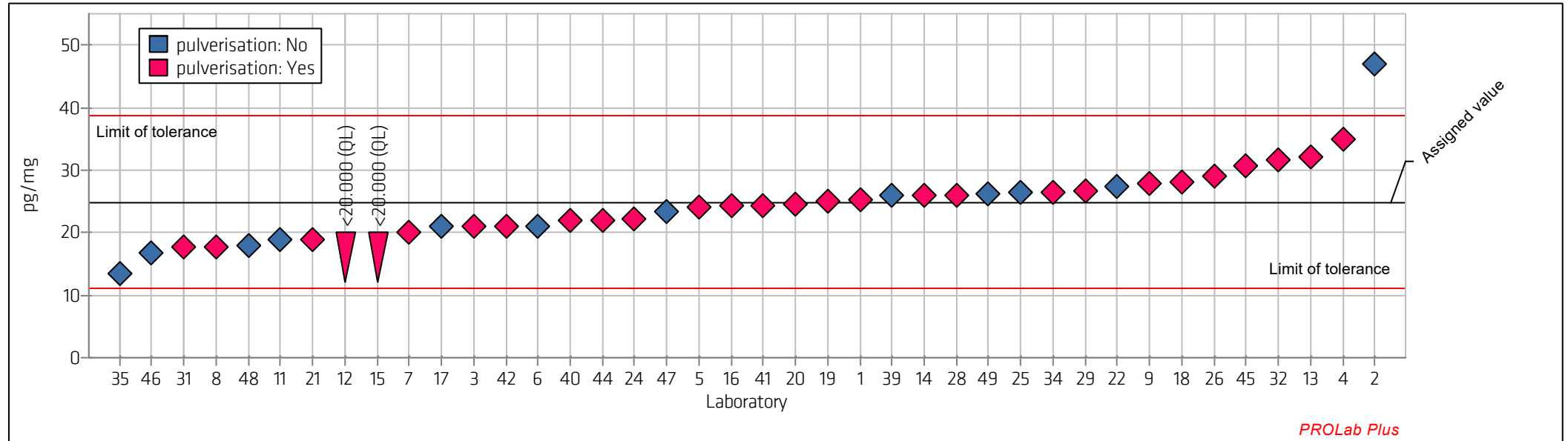
No. of measurement values: 38

Assigned value: 24.851 pg/mg (Reference value)

Target s.d.: 6.932 pg/mg (Horwitz function)

Rel. target s.d.: 27.90% (Horwitz function)

Range of tolerance: 10.986 - 38.716 pg/mg ($|Z\text{-Score}| \leq 2.0$)



Summary results

Sample: HEtG 21/2-B

Measurand: EtG

Statistical method: ISO 5725-5

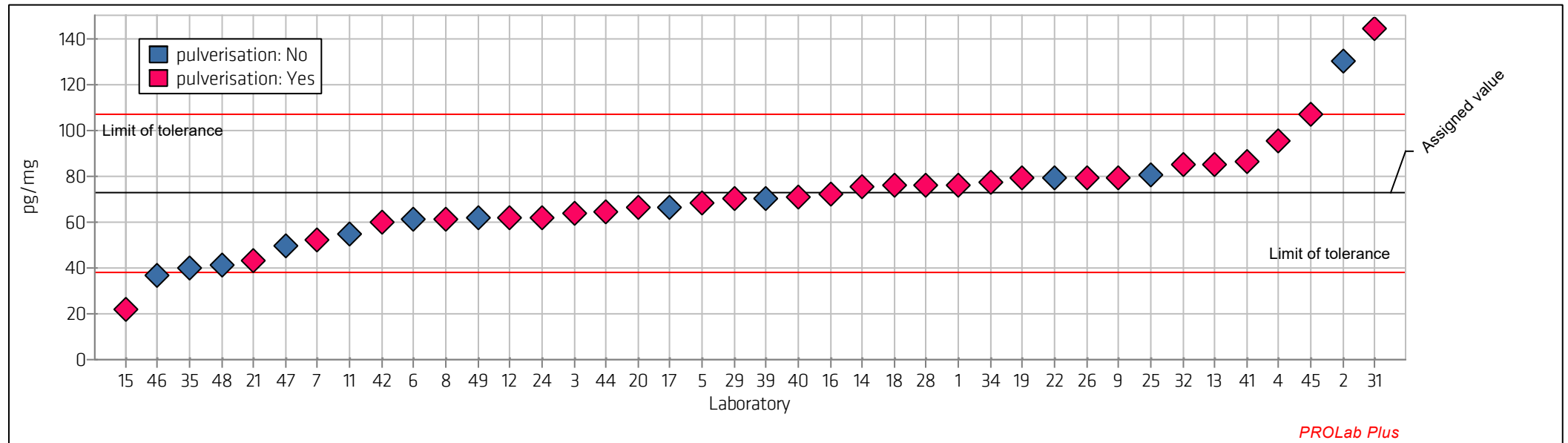
No. of measurement values: 40

Assigned value: 72.486 pg/mg (Reference value)

Target s.d.: 17.212 pg/mg (Horwitz function)

Rel. target s.d.: 23.74% (Horwitz function)

Range of tolerance: 38.062 - 106.910 pg/mg ($|Z\text{-Score}| \leq 2.0$)



Summary results

Sample: HEtG 21/2-C

Measurand: EtG

Statistical method: ISO 5725-5

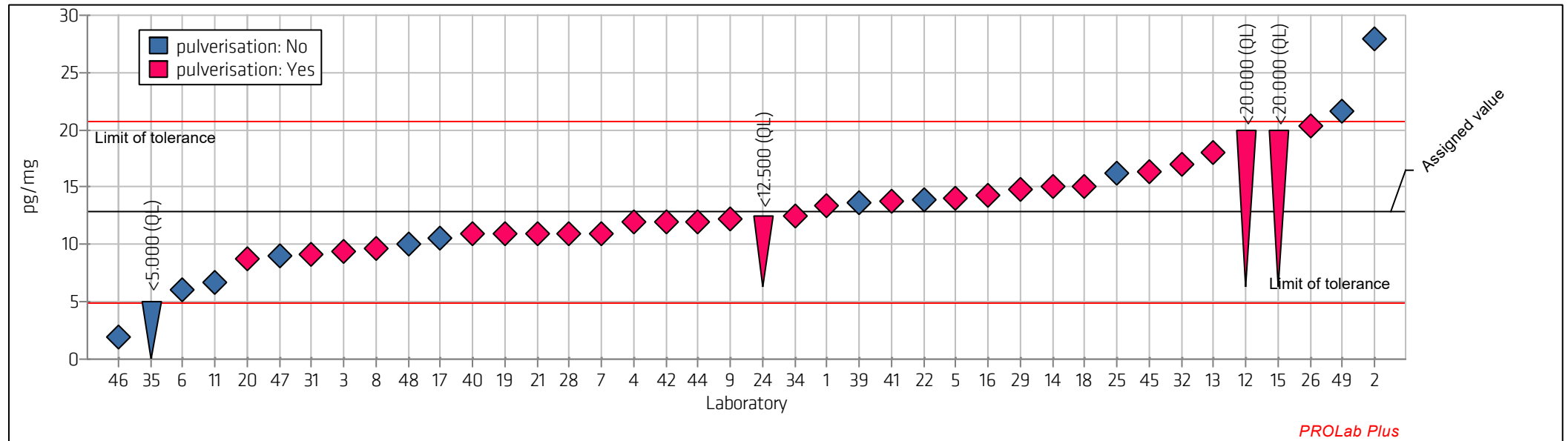
No. of measurement values: 36

Assigned value: 12.826 pg/mg (Reference value)

Target s.d.: 3.952 pg/mg (Horwitz function)

Rel. target s.d.: 30.82% (Horwitz function)

Range of tolerance: 4.921 - 20.731 pg/mg ($|Z\text{-Score}| \leq 2.0$)



Laboratory	HETG212A	Z score	HETG212B	Z score	HETG212C	Z score	Analytical method
Unit	pg/mg		pg/mg		pg/mg		
1	25.200	0.1	76.100	0.2	13.400	0.1	LC-MS/MS
2	47.000	3.2 E	130.000	3.3 E	28.000	3.8 E	LC-MS/MS
3	21.000	-0.6	63.500	-0.5	9.400	-0.9	LC-MS/MS
4	35.000	1.5	95.000	1.3	12.000	-0.2	GC-MS/MS
5	24.000	-0.1	68.000	-0.3	14.000	0.3	LC-MS/MS
6	21.000	-0.6	61.000	-0.7	6.000	-1.7	LC-MS/MS
7	20.000	-0.7	52.000	-1.2	11.000	-0.5	LC-MS/MS
8	17.700	-1.0	61.100	-0.7	9.700	-0.8	LC-MS/MS
9	27.800	0.4	79.500	0.4	12.200	-0.2	GC-MS/MS
11	18.900	-0.9	54.600	-1.0	6.700	-1.5	LC-MS/MS
12	< 20.000		62.000	-0.6	< 20.000		LC-MS/MS
13	32.000	1.0	85.000	0.7	18.000	1.3	LC-MS/MS
14	26.000	0.2	75.000	0.1	15.000	0.6	LC-MS/MS
15	< 20.000		22.000	-2.9 E	< 20.000		LC-MS/MS
16	24.200	-0.1	72.000	0.0	14.300	0.4	LC-MS/MS
17	21.000	-0.6	66.600	-0.3	10.600	-0.6	LC-MS/MS
18	28.000	0.5	76.000	0.2	15.000	0.6	LC-MS/MS
19	25.000	0.0	79.000	0.4	11.000	-0.5	LC-MS/MS
20	24.600	0.0	66.200	-0.4	8.800	-1.0	LC-MS/MS
21	19.000	-0.8	43.000	-1.7	11.000	-0.5	LC-MS/MS
22	27.470	0.4	79.500	0.4	13.960	0.3	GC-MS/MS
24	22.259	-0.4	62.072	-0.6	< 12.500		LC-MS/MS
25	26.500	0.2	80.400	0.5	16.200	0.9	LC-MS/MS
26	29.000	0.6	79.500	0.4	20.400	1.9	LC-MS/MS
28	26.000	0.2	76.000	0.2	11.000	-0.5	LC-MS/MS
29	26.580	0.2	70.200	-0.1	14.770	0.5	LC-MS/MS
31	17.700	-1.0	144.000	4.2 E	9.100	-0.9	LC-MS/MS
32	31.600	1.0	84.700	0.7	17.000	1.1	LC-MS/MS
34	26.500	0.2	77.000	0.3	12.500	-0.1	LC-MS/MS
35	13.500	-1.6	40.100	-1.9	< 5.000		GC-MS/MS
39	25.900	0.2	70.300	-0.1	13.700	0.2	LC-MS/MS
40	21.980	-0.4	70.910	-0.1	10.910	-0.5	LC-MS/MS
41	24.400	-0.1	86.300	0.8	13.800	0.2	LC-MS/MS
42	21.000	-0.6	60.000	-0.7	12.000	-0.2	LC-MS/MS
44	22.000	-0.4	64.500	-0.5	12.000	-0.2	LC-MS/MS
45	30.602	0.8	106.954	2.0	16.405	0.9	LC-MS/MS
46	16.700	-1.2	36.800	-2.1 E	1.900	-2.8 E	LC-MS/MS
47	23.300	-0.2	49.400	-1.3	9.000	-1.0	GC-MS/MS
48	18.000	-1.0	41.000	-1.8	10.000	-0.7	LC-MS/MS
49	26.300	0.2	61.700	-0.6	21.600	2.2 E	LC-MS/MS

Measurand	Sample	Class of methods	Mean
- Sample-measurand combination : HETG 21/2-A - EtG			
ETG	HETG212A	pulverisation: Yes	24.851
ETG	HETG212A	pulverisation: No	22.507
- Sample-measurand combination : HETG 21/2-B - EtG			
ETG	HETG212B	pulverisation: Yes	72.486
ETG	HETG212B	pulverisation: No	60.989
- Sample-measurand combination : HETG 21/2-C - EtG			
ETG	HETG212C	pulverisation: Yes	12.826
ETG	HETG212C	pulverisation: No	12.069

Reprod. s.d.	Rel. reproducibility s.d.	No. of laboratories
4.743	19.09 %	26
5.849	25.99 %	12
13.731	18.94 %	29
19.651	32.22 %	12
2.904	22.64 %	25
7.357	60.95 %	11