OIML Member State
The Netherlands

Issuing authority	NMi Certin B.V. Person responsible: M. Boudewijns
Applicant and Manufacturer	Feige FILLING GmbH Rögen 6a 23843 Bad Oldesloe Germany
Identification of the certified type	An **Automatic gravimetric filling instrument** Type : FS-series
Characteristics	See next page

This OIML Certificate is issued under scheme B.

This Certificate attests the conformity of the above identified Type (represented by the sample(s) identified in the OIML Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 61 - Edition 2017 (E) for accuracy class Ref (0,2)

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified.
This Certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Test Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
10 February 2020

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated OIML Reports:

- No. NMi-13200671-01 dated 24 July 2014 that includes 57 pages;
- No. NMi-13200671-02 dated 24 July 2014 that includes 10 pages;
- No. NMi-13200671-03 dated 24 July 2014 that includes 41 pages;
  No. NMi-13200671-05 dated 24 July 2014 that includes 11 pages;
- No. NMi-14200392-01 dated 19 September 2014 that includes 32 pages;
- No. NMi-15200613-01 dated 21 December 2015 that includes 24 pages;
- No. NMi-2177052-03 dated 25 June 2019 that includes 12 pages;
- No. NMi-2267348-01 dated 22 October 2019 that includes 11 pages;
- No. NMi-2267348-02 dated 22 October 2019 that includes 11 pages;
- No. NMi-2267348-03 dated 22 October 2019 that includes 30 pages.

Characteristics of the automatic gravimetric filling instrument

Method of operation	cumulative weighing subtractive weighing filling by one weighing cycle
Reference accuracy class	Ref (0,2) the operational accuracy class X(x) is determined at the time of putting into use
Indicator (option 1)	FS-T10E-.. FSy000E-.............., FSy000Ex-.............., (y = 3, 6 or 8) Documented in evaluation certificate TC11688
Indicator (option 2)	IT3000Ex Documented in test certificate D09-07.44
Number of scale intervals (of each load receptor)	$n \leq$ the number of scale intervals mentioned in the certificates involved
Weighing range(s)	Single interval Multi-interval Multiple range
Number of load receptors	Compliant with the number of load receptors listed in the certificates involved
Software identification	As listed in the certificates involved

OIML Certificate

Rated minimum fill (Minfill) for instruments without automatic tare-setting or automatic zero-setting as part of every weighing cycle

Average number of loads per fill:	1				2				3			
Accuracy class:	X(0,2)	X(0,5)	X(1)	X(2)	X(0,2)	X(0,5)	X(1)	X(2)	X(0,2)	X(0,5)	X(1)	X(2)
d [g]	Minfill[g]				Minfill [g]				Minfill [g]			
0,5	178,0	35,5	18,0	9,0	377,0	100,5	25,0	12,5	462,0	123,0	31,0	15,5
1	1067	142	36	18	1508	302	101	25	1848	370	123	31
2	2134	426	142	36	3016	1206	302	100	3696	1478	370	124
5	5335	2135	1065	180	7540	3015	1510	375	9240	3695	1850	460
10	16000	4270	2130	1070	22630	6030	3020	1510	27710	7390	3700	1850
20	32000	8540	4260	2140	45260	18100	6040	3020	55420	22180	7400	3700
50	80000	32000	16000	5350	113150	45250	22650	7550	138550	55450	27700	9250
≥100	1600 d	640 d	320 d	160 d	2263 d	905 d	453 d	226 d	2771 d	1109 d	554 d	277 d

Average number of loads per fill:	4				5			
Accuracy class:	X(0,2)	X(0,5)	X(1)	X(2)	X(0,2)	X(0,5)	X(1)	X(2)
d [g]	Minfill[g]				Minfill [g]			
0,5	1066,5	142,0	35,5	18,0	1192,5	159,0	40,0	20,0
1	2133	427	142	36	2385	477	159	40
2	4266	1706	426	142	4770	1908	478	160
5	16000	4265	2135	1065	17890	4770	2385	1195
10	32000	8530	4270	2130	35780	9540	4770	2390
20	64000	25600	8540	4260	71560	28620	9540	4780
≥ 50	3200 d	1280 d	640 d	320 d	3578 d	1431 d	716 d	358 d

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Rated minimum fill (Minfill) for instruments with automatic tare-setting or automatic zero-setting as part of every weighing cycle

Average number of loads per fill:	1				2				3			
Accuracy class:	X(0,2)	X(0,5)	X(1)	X(2)	X(0,2)	X(0,5)	X(1)	X(2)	X(0,2)	X(0,5)	X(1)	X(2)
d [g]	Minfill[g]				Minfill [g]				Minfill [g]			
0,5	28,0	11,0	5,5	3,0	39,5	15,5	8,0	4,0	48,0	19,0	9,5	5,0
1	111	22	11	6	157	31	16	8	192	38	19	10
2	334	44	22	12	472	126	32	16	1154	154	38	20
5	1665	335	110	30	2355	470	155	40	2885	1155	190	50
10	3330	1330	330	110	4710	1890	470	160	5770	2310	1150	190
20	6660	2660	1340	340	9420	3780	1880	480	17320	4620	2300	1160
50	25000	6650	3350	1650	35350	9450	4700	2350	43300	17300	5750	2900
100	50000	20000	6700	3300	70700	28300	9400	4700	86600	34600	17300	5800
200	100000	40000	20000	6600	141400	56600	28200	9400	173200	69200	34600	17400
≥ 500	500 d	200 d	100 d	50 d	707 d	283 d	141 d	71 d	866 d	346 d	173 d	87 d

Average number of loads per fill:	4				5			
Accuracy class:	X(0,2)	X(0,5)	X(1)	X(2)	X(0,2)	X(0,5)	X(1)	X(2)
d [g]	Minfill[g]				Minfill [g]			
0,5	333,5	44,5	22,0	11,0	372,5	49,5	25,0	12,5
1	1333	178	44	22	1491	199	50	25
2	2666	1066	178	44	2982	1192	198	50
5	6665	2665	1335	335	7455	2980	1490	375
10	20000	5330	2670	1330	22360	5960	2980	1490
20	40000	16000	5340	2660	44720	17880	5960	2980
50	100000	40000	20000	6650	111800	44700	22350	7450
≥ 100	2000 d	800 d	400 d	200 d	2236 d	894 d	447 d	224 d