Directive 2014/32/EU of the European Parliament and of the Council of 26 February...
ANNEX VIII CHAPTER III
Document Generated: 2023-08-29

1

ANNEX VIII

SPECIFIC REQUIREMENTS

CHAPTER III

Automatic Gravimetric Filling Instruments

2.   **MPE**

2.1.   *Static weighing error*

2.1.1.   For static loads under rated operating conditions, the MPE for reference accuracy class Ref(x), shall be 0,312 of the maximum permissible deviation of each fill from the average; as specified in Table 5; multiplied by the class designation factor (x).

2.1.2.   For instruments where the fill may be made up from more than one load (e.g. cumulative or selective combination weighers) the MPE for static loads shall be the accuracy required for the fill as specified in point 2.2 (i.e. not the sum of the maximum permissible deviation for the individual loads).

2.2.   *Deviation from average fill*

TABLE 5

Value of the mass, m (g), of the fills	Maximum permissible deviation of each fill from the average for class X(1)
m ≤ 50	7,2 %
50 < m ≤ 100	3,6 g
100 < m ≤ 200	3,6 %
200 < m ≤ 300	7,2 g
300 < m ≤ 500	2,4 %
500 < m ≤ 1 000	12 g
1 000 < m ≤ 10 000	1,2 %
10 000 < m ≤ 15 000	120 g
15 000 < m	0,8 %

Note:

The calculated deviation of each fill from the average may be adjusted to take account for the effect of material particle size.

2.3.   *Error relative to pre-set value (setting error)*

For instruments where it is possible to pre-set a fill weight; the maximum difference between the pre-set value and the average mass of the fills shall not exceed 0,312 of the maximum permissible deviation of each fill from the average, as specified in Table 5.