

Metrological control

Use to regulate the maximum error allowed in packages (weights and volumes) according to the **COUNCIL DIRECTIVE of 20 January 1976** on the approximation of the laws of the Member States relating to the making-up by weight or by volume of certain pre-packaged products (76/211/EEC)

The define limits **T1** and **T2** are according to the following table:

Allowable negative error for packages

<u>Weight/Volume (g-ml)</u>	<u>T1 (% Weight/Volume)</u>	<u>(T1 grams/ml)</u>
5 - 50	9.0	-
51 - 100	-	4.5
101 - 200	4.5	-
201 - 300	-	9.0
301 - 500	3.0	-
501 - 1000	-	15
1001 - 10000	1.5	-
10001 - 15000	-	150
15001 - 25000	1	-

Weight = metric units (g, Kg, MT)

Volume = metric units (ml, L, m³)

Metrological control conditions (rules)

- **T2 = 2 x T1**
- **The weight/volume average of all the weights must be equal or higher than the declared value.**
- **A maximum of 2% of all the packages are allowed to have a weight/volume between T1 and T2, and no one should have a weight/volume below T2.**

The higher the variability of the data (standard deviation), the higher the Average goal should be to meet with the metrological control requirements. Therefore, a low standard deviation would be desirable.

See attached references concerning the current EC legislation and its application [76/211 EC](#), [2007/45 EC](#), [2007/45 EC-B](#)