



1 The nominal melting temperatures

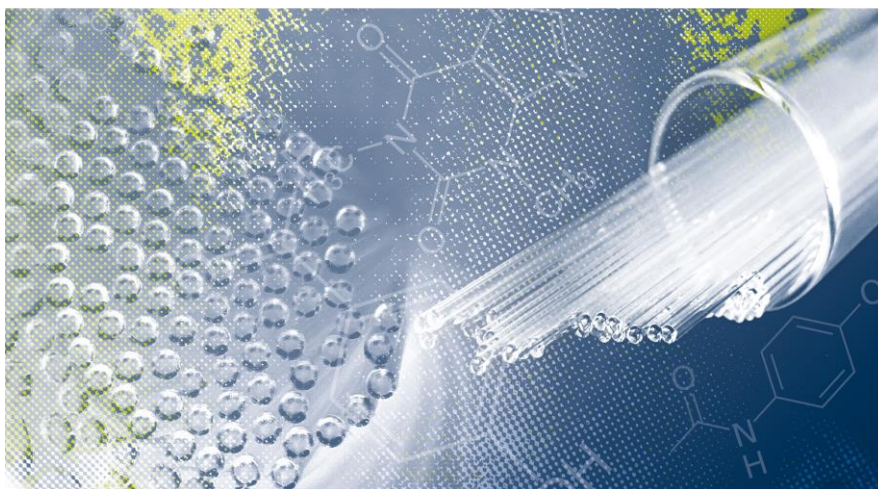
Reference substances are necessary for the correct calibration and adjustment of melting point measuring instruments. Several reference substances are proposed by the WHO for this purpose.

- The melting temperatures of the reference substances are taken from the International Pharmacopeia 11th Edition.
- The International Pharmacopeia is available online at:
- <https://www.who.int/teams/health-product-policy-and-standards/standards-and-specifications/norms-and-standards-for-pharmaceuticals/international-pharmacopoeia>
- These reference substances are suitable for use with a melting point meter that measures by the capillary method (e.g. M3000 and M5000).
- Please note. The exact melting temperature of a reference substance should always be taken from the enclosed certificate. These values are charge-dependent and may deviate from listed melting temperatures.
- Lists of melting temperatures are to be understood as a approximate guideline for expected melting temperature.

Substance	Melting range in ° C
Azobenzene	■ 68,9
Vanillin	■ 83,2
Benzil	■ 95,9
Acetanilide	■ 115,7
Phenacetin	■ 136,0
Benzanilide	■ 164,7
Sulfanilamide	■ 165,9
Sulfapyridine	■ 192,7
Dicyandiamide	■ 210,2
Saccharin	■ 230,0
Caffeine	■ 237,2
Phenolphthalein	■ 263,1



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