

GLI Method Summary

Determination of Melting Point

Governing SOP: S-105 Rev 7

Analyte: Melting Point

Summary

Instrument	Electrothermal IA9200 Digital Melting Point Apparatus, or equivalent.
Calibration	Calibration of the instrument is performed using NIST standards
Sample Intro	Capillary tube
Determination	A sample portion is gently heated and observed visually. Note the beginning of the melt (collapse of the substance) and the end of the melting point (substance becomes liquid throughout).
Range	Generally, samples with a melting point between approximately 40°C and 400°C can be determined.

References

Electrothermal IA9000 Series Digital Melting Point Apparatus Operating Instructions, Part No. M6346, Issue 2.

United States Pharmacopeia 34 – National Formulary 29, Supplement 2, *General Chapter <741> Melting Range or Temperature*, 2011.