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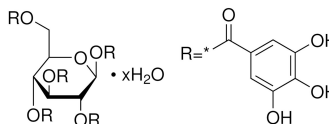
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Certificate of Analysis

Product Name : Penta-O-galloyl-β-D-glucose hydrate ≥96% (HPLC)
Product Number : G7548-BULK
Batch Number : 0000050061
CAS Number : 14937-32-7 (anhydrous)
Storage Temperature : Cooler/Refrigerated
Molecular Formula : C₄₁H₃₂O₂₆ · xH₂O
Formula Weight : 940.68(anhydrous basis)
Quality Release Date : 10 Dec 2018



Test	Specification	Result
Appearance (Color)	White to Light Brown	Off-White
Appearance (Form)	Powder	Powder
Solubility (Turbidity)	Clear	Clear
Solubility (Color)	Conforms to Requirements	Faint Beige
Concentration	≥ 20.0 mg/ml	32.0 mg/ml
DMSO		
Purity (HPLC)	≥ 95.5 %	97.6 %
Identity	Confirmed	Confirmed
Water Content	0.0 - 6.0 mol	5.0 mol
Elemental Composition	Pass	Pass
Optical Rotation	20.0 - 30.0 °	23.5 °
(c=0.2, acetone)		

Brendan Nye, QC Supervisor

Quality Control

Natick, Massachusetts

US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale