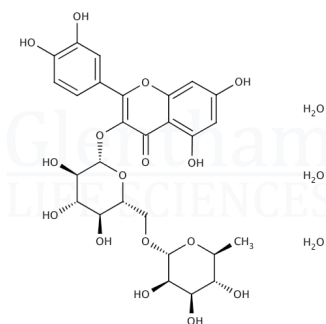


Certificate of Analysis

Product Name	Rutin hydrate
Glentham Code	GC4239
CAS Number	207671-50-9
EINECS	205-814-1
MDL Number	MFCD00149490
MDL Number	MFCD00006830
Additional CAS	153-18-4 (anhydrous)
Additional CAS	250249-75-3 (·3H ₂ O)
PubChem SID	310279821
Batch Number	380CHY



Molecular Weight	610.52 (anhydrous)
Molecular Formula	C ₂₇ H ₃₀ O ₁₆ · xH ₂ O
Storage Temp.	+20°C

Property	Specification	Batch 380CHY
Physical Description	Light-yellow to yellow-green crystalline powder	Yellow-green crystalline powder
Identification (IR)	To conform to standard	Conforms
Solubility (5% in pyridine)	Clear to slightly turbid, faint yellow to dark yellow, green or brown solution	Clear, dark yellow solution
Heavy Metals	≤ 10ppm	≤ 10ppm
Arsenic (As)	≤ 1ppm	≤ 1ppm
Cadmium (Cd)	≤ 1ppm	≤ 1ppm
Lead (Pb)	≤ 3ppm	≤ 3ppm
Mercury (Hg)	≤ 0.1ppm	≤ 0.1ppm
Sulphated Ash	≤ 0.5%	0.21%
Loss on Drying	≤ 9.0%	5.2%
Assay	≥ 95.0% (dried basis)	95.5%

Specification Version	v1.1
Manufacture Date	2021-09-15
Re-Test Date	2029-05-24

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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