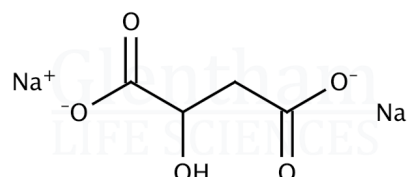


Certificate of Analysis

Product Name DL-Malic acid disodium salt
Glentham Code GX1468
CAS Number 676-46-0
EINECS 211-627-6
MDL Number MFCD00012466
Additional CAS 22798-10-3
Additional CAS 6915-15-7
Batch Number 385OES



Molecular Weight 178.05 (anhydrous)
Molecular Formula $C_4H_4Na_2O_5 \cdot xH_2O$
Storage Temp. +20°C

Property	Specification	Batch 385OES
Physical Description	White crystalline powder	Conforms
Solubility (5% in water)	Clear to faintly turbid, colourless solution	Conforms
Water	20.0 - 25.0 %	23.18%
Assay	98.0 - 102.0 % (dried basis)	100.4%

Specification Version v1.0
Manufacture Date 2019-02-15
Re-Test Date 2028-04-18

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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