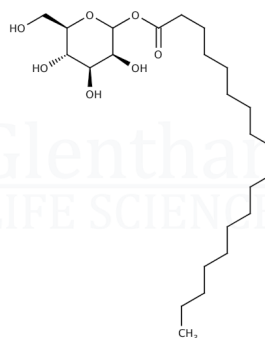


Certificate of Analysis

Product Name	Mannide monooleate, plant origin
Glenthams Code	GC9010
CAS Number	9049-98-3
MDL Number	MFCD03840565
Colour Index	25339-93-9
PubChem SID	310276021
Batch Number	346IDG

Molecular Weight	-
Molecular Formula	-
Storage Temp.	+20°C



Property	Specification	Batch 346IDG
Physical Description	Yellow to orange liquid	Orange liquid
Hydroxyl Value	90 - 100 mgKOH/g	91mgKOH/g
Acid Value	≤ 3mgKOH/g	3mgKOH/g
Saponification Value	164 - 172 mgKOH/g	165mgKOH/g
Iodine Value	70 - 78 g/100g	74g/100g
Water	≤ 0.2%	0.1%

Specification Version	v1.0
Manufacture Date	2022-06-17
Re-Test Date	2029-12-02

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

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