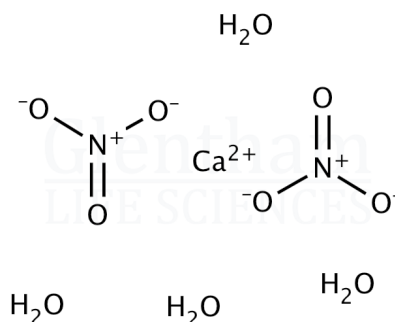


Certificate of Analysis

Product Name	Calcium nitrate tetrahydrate
Glenthams Code	GE9273
CAS Number	13477-34-4
EINECS	233-332-1
MDL Number	MFCD00149604
Additional CAS	35054-52-5
Additional CAS	10124-37-5
PubChem SID	310269223
Batch Number	153NCM

Molecular Weight	236.15
Molecular Formula	$\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$
Storage Temp.	+20°C



Property	Specification	Batch 153NCM
Physical Description	White crystalline powder or flakes	White flakes
Content	≥ 99.5% ($\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$)	101.8%
$\text{Ca}(\text{NO}_3)_2$	69.0 - 71.0 %	70.78%
Sodium (Na)	≤ 100ppm	16ppm
Iron (Fe)	≤ 8ppm	≤ 1ppm
Lead (Pb)	≤ 10ppm	≤ 1ppm
Copper (Cu)	≤ 10ppm	5ppm
Manganese (Mn)	≤ 2ppm	≤ 1ppm
Sulphate (SO_4)	≤ 50ppm	Conforms
Chloride (Cl)	≤ 50ppm	Conforms
Ammonia (NH_3)	≤ 50ppm	Conforms
Water Insoluble Matter	≤ 400ppm	Conforms
pH (5% aqueous solution)	6.0 - 8.5	7.33
Turbidity	≤ 5NTU (50% solution)	Conforms
Colour (APHA)	≤ 30 (50% solution)	11

Specification Version	v1.0
Manufacture Date	2018-11-06
Re-Test Date	2027-11-01

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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