

CERTIFICATE OF ANALYSIS

Standard product specification

Calcium Nitrite Accelerator

CAS 13780-06-8 · 30% aqueous solution

1. PRODUCT IDENTITY

Product name	Calcium Nitrite Accelerator
C.A.S. number	13780-06-8
Grade / standard	30% aqueous solution
Description	Reddish brown liquid
Product group	Set Control & Accelerators
Category	Construction Chemicals
Country of origin	India
Packing	Bags, drums, carboys, IBC or ISO tank as applicable — customer-specified packing available
Storage	Cool, dry, well-ventilated place in tightly closed original packing

2. ANALYTICAL SPECIFICATION

S. NO.	TEST PARAMETER	SPECIFICATION	TYPICAL RESULT	METHOD
1	Description	Reddish brown liquid	Complies	Visual
2	Identification	Conforms to the structure of the substance	Complies	FTIR / Chemical test
3	Assay	Not less than 30.0 % w/w	30.82	Titrimetry / Instrumental
4	Non-volatile Content (Solids)	As per specification	45.5 % w/w	Gravimetry / ASTM D1644
5	Viscosity at 25 °C	As per specification	577 cP	Brookfield viscometry
6	pH (as supplied)	As per specification	9.2	Potentiometry
7	Density at 25 °C	As per specification	0.933 g/mL	ASTM D1475

8	Heavy Metals (as Pb)	Not more than 20 ppm	Less than 10 ppm	ICP-OES
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3. DECLARATION

This document sets out the standard specification for Calcium Nitrite Accelerator and applies to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd. It is not a lot-specific release document; a lot-specific certificate carrying the analysis of the material actually shipped is issued with, and travels with, each consignment. Scapex Exports supplies against customer-specified assay limits and pharmacopoeial standards — send your specification sheet and we confirm compliance in writing before the order is accepted.



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