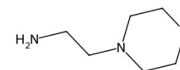


CERTIFICATE OF ANALYSIS

Standard product specification

4-(2-Aminoethyl)Morpholine

CAS 2038-03-1 · C₆H₁₄N₂O · 99% min.


STRUCTURAL FORMULA

1. PRODUCT IDENTITY

Product name	4-(2-Aminoethyl)Morpholine
C.A.S. number	2038-03-1
Molecular formula	C ₆ H ₁₄ N ₂ O
Molecular weight	130.19 g/mol
Grade / standard	99% min.
Description	Appearance as per specification
Product group	Heterocyclic Building Blocks
Category	Pharmaceutical Intermediates
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	Appearance as per specification	Complies	Visual
2	Identification	Conforms to the structure of the substance	Complies	FTIR / Chemical test
3	Solubility	As per specification	Complies	Visual / Monograph
4	Assay	Not less than 99.0 % w/w	99.43	Titrimetry / Instrumental

5	Clarity & Colour of Solution	Clear; not more intensely coloured than reference	Complies	Visual (Monograph)
6	pH (1% w/v aqueous solution)	As per monograph	6.8	Potentiometry
7	Water Content (Karl Fischer)	Not more than 0.5 % w/w	0.08	Karl Fischer titration
8	Melting Range / Point	As per monograph	Complies	Capillary method
9	Particle Size (d90)	As per specification	128 µm	Laser diffraction

3. DECLARATION

This document sets out the standard specification for 4-(2-Aminoethyl)Morpholine 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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