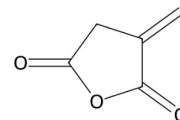


CERTIFICATE OF ANALYSIS

Standard product specification

Itaconic anhydride

CAS 2170-03-8 · C₅H₄O₃ · 97% min.


STRUCTURAL FORMULA

1. PRODUCT IDENTITY

Product name	Itaconic anhydride
C.A.S. number	2170-03-8
Molecular formula	C ₅ H ₄ O ₃
Molecular weight	112.08 g/mol
Grade / standard	97% min.
Description	Appearance as per specification
Product group	Monomers & Polymer Chemicals
Category	Polymers, Resins & Additives
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 97.0 % w/w	98.06	Titrimetry / Instrumental
5	Volatile Matter	Not more than 1.0 % w/w	0.22	Gravimetry

6	Ash Content	Not more than 0.5 % w/w	0.131	Gravimetry
7	Softening / Melting Point	As per specification	Conforms	ASTM D3461 / Capillary
8	Residue on 63 µm Sieve	Not more than 0.5 %	0.101	Sieve analysis
9	Heavy Metals (as Pb)	Not more than 20 ppm	Less than 10 ppm	ICP-OES
10	Moisture	Not more than 1.0 % w/w	0.41	Karl Fischer / Gravimetry

3. DECLARATION

This document sets out the standard specification for Itaconic anhydride 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.



Scapex Exports Pvt. Ltd. · Ahmedabad, Gujarat, India · info@scapexexports.com · +91 9925522674 — system-generated document, valid without physical signature.