

Technical data sheet

1,2,3,6-Tetrahydrophthalimide (THPI-Δ4)

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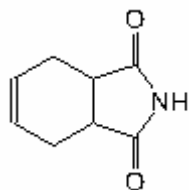
Synonyms

4-Cyclohexene-1,2-dicarboximide; 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-

Formula

C₈H₉NO₂

Structural formula



Molecular weight: 151.2

CAS number

85-40-5

EINECS number

201-602-8

Product specification

Characteristics	Unit	Value	Method*	Reference
Appearance		Creamy flakes	L000	
1,2,3,6-THPI content (HPLC)	%	96.0 min	T4 101	
Melting point (DSC)	°C	133 min	GM027	ASTM D-3417
pH (2% in water)		4 ÷ 7	GM016	ASTM E-70
Sulphated ash	ppm	100 max	GM015	

* Internal methods available upon request.

Typical properties

Characteristics	Unit	Value
Boiling point	°C	290
Density @ 150°C	g/ml	1.150
Vapour pressure @ 160°C	mmHg	5.0
Vapour pressure @ 173°C	mmHg	10.0
Flash point (O.C.)	°C	190
Solubility in water @ 75°C	g/l	200

Main applications

THPI- Δ 4 is mainly used as a chemical intermediate in the production of agricultural products (e.g. CAPTAFOL and CAPTAN).

Handling

Packaging: big bag 600 kg.

Storage: it must be stored away from open flames or other potential ignition source, and should be protected from moisture.

Shelf life: 12 months from production date.

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