

1,10-Phenanthroline monohydrate, Hi-LRTM

GRM1138


Product Identifier

CAS No.	:	5144-89-8
EC No.	:	200-629-2
EC Index No	:	613-092-00-8
Molecular Formula	:	C ₁₂ H ₈ N ₂ .H ₂ O
Molecular Weight	:	198.22
HS Code	:	2933 99 90
Storage	:	Below 30°C
Shelf life	:	3 years

Technical Specification

Appearance	:	White to off-white crystals or powder or needle-like crystals (Maybecome cream coloured during storage)
Solubility	:	33.3 mg soluble in 1 mL of alcohol
Melting range	:	97 - 104°C
Suitability as redox indicator	:	Passes test
Suitability for determining iron	:	Passes test
Water (K.F.)	:	8.00 - 10.00%
Assay (NT, on anhydrous basis)	:	99.50 - 102.00%

Safety Information

Hazard Pictogram(s)	:	
Signal Word	:	Danger
Hazard Statement(s)	:	H301- H410
Precautionary Statement(s)	:	P264- P273- P301 + P310- P321- P391- P501
UN No.	:	2811
Class	:	6.1
Packing Group	:	III
RTECS	:	SF8300000
WGK	:	3