

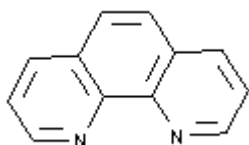


PRODUCT CODE: 131321

1,10-Phenanthroline 1-hydrate for analysis, ACS
redox indicator

$C_{12}H_8N_2 \cdot H_2O$

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M.= 198,23

CAS [5144-89-8]

EINECS 200-629-2

TARIC 2933 99 80 90

SYNONYMS: o-Phenanthroline

PHYSICAL DATA: crystalline powder, White, Soluble in water 3,3 g/l at 20 °C M.P.: 93 - 94 °C •

BIBLIOGRAPHY: Merck Index **12**, 7.356 13, 7.291 Safety **2** , **2738 A** • Römpp **8** , **3124** • Beilstein **23** , **227 IV** , **1677 V** , **389** • BRN 4008096 • ACS **XI** •

HAZARDOUS: C.E: 613-092-00-8 • RTECS: SF 8437000 • LD50 oral rat 132 mg/kg •



H: H301 • H410 •

P: P264 • P270 • P273 • P301+P310 • P321 • P501 • P330 • P391 • P405 •

TRANSPORT REGULATIONS: UN: 2811 • ADR: 6.1/III • IMDG: 6.1/III • IATA: 6.1/III • PAX: 670 • CAO: 677 • (E) •

SPECIFICATIONS:

Minimum assay (Perchl. Ac.)	99,0%
Identity :	
Identity	IR passes test
Suitability: as redox indicator	passes test

Maximum limit of impurities

Residue on ignition (as SO ₄)	0,1 %
Sensitivity to Fe	passes test

Cu	0,002	%
Fe	0,001	%
Ni	0,002	%
Pb	0,002	%

Ed.: 2 . Vig.: 27.06.2018 .

Prod.: 131321