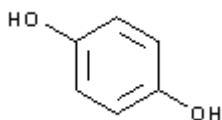
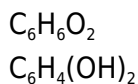


**PRODUCT CODE: 141351****Hydroquinone (USP) pure, pharma grade**



M.= 110,11

CAS [123-31-9]

EINECS 204-617-8

TARIC 2907 22 00 10

SYNONYMS: 1,4-Benzenediol, 1,4-Dihydroxybenzene**PHYSICAL DATA:** White crystals, turns to grey on exposure to air and light, Soluble in water 70 g/l at 20 °C D 1,332 • M.P.: 170 °C • B.P.: 287 °C • pH(50g/l)3 - 4 • Flash P.:165 °C • Ign. T.:516 °C • Vap. press. (130 °C) 1,3 hPa •**BIBLIOGRAPHY:** Merck Index **12**, 4.853 13, 4.833 Sax **HIH000** • Safety **2** , **1900 B** • Kühn-Birett **H 9** • Ullmann **(5.)13** , 499 • Beilstein **6** , **836 I** , **413 II** , **832 III** ,**4374 IV** , **5712** • BRN 605970 • Fieser **5341** • USP **41** •**HAZARDOUS:** C.E: 604-005-00-4 • RTECS: MX 3500000 • LD L0 oral man 29 mg/kg • LD50 oral mus 245 mg/kg • LD50 oral rat 320 mg/kg • VLA-ED 2 mg/m3

H: H302 • H351 • H318 • H317 • H341 • H400 •

P: P202 • P261 • P264 • P270 • P272 • P273 • P280 • P281 • P301+P312 • P302+P352 • P305+P351+P338 • P308+P313 • P310 • P321 • P330 • P333+P313 • P363 • P391 • P405 • P501 •

TRANSPORT REGULATIONS: UN: 3077 • ADR: 9/III • IMDG: 9/III • IATA: 9/III • PAX: 956 • CAO: 956 • (E) •

SPECIFICATIONS:

Assay (calc. a.d.s.)	99,0-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test
Melting range	172-174°C

Maximum limit of impurities

Insoluble matter in H ₂ O	passes test
Residue on ignition (as SO ₄)	0,1 %
Sulfate (SO ₄)	0,05%
Residual solvents (Ph.Eur/USP)	passes test
Pyrocatechol	0,05%
Water (H ₂ O)	0,5 %
Heavy metals (as Pb)	0,002%

Residual metals ICP: (according to EMEA/CHMP/SWP/4446/2000)

Class 1A (Pt, Pd)	10 ppm
Class 1B (Ir, Rh, Ru, Os)	10 ppm
Class 1C (Mo, Ni, Cr, V)	25 ppm
Class 2 (Cu, Mn)	250 ppm
Class 3 (Fe, Zn)	1.300 ppm