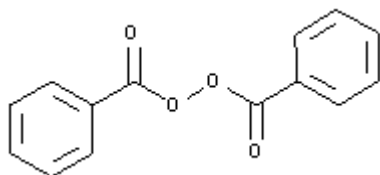


PRODUCT CODE: 142357

Benzoyl Peroxide humidified with ~ 25% of H₂O (USP, BP, Ph. Eur.) pure, pharma grade

C₁₄H₁₀O₄

(C₆H₅CO)₂O₂



M.= 242,23

CAS [94-36-0]

EINECS 202-327-6

TARIC 2916 32 00 00

SYNONYMS: Benzoyl Superoxide, Dibenzoyl Peroxide

PHYSICAL DATA: crystals, White, Very slightly soluble in water. D 0,53 • M.P.: 105 °C • Flash P.:80 °C •

BIBLIOGRAPHY: Merck Index **12**, 1.149 13, 1.117 Sax **BDS000** • Safety **2** , **375 A** • Kühn-Birett **B 15** • Beilstein **9** , **179 I** , **93 II** , **157 III** ,**1052 IV** , **717** • BRN 984320 • Fieser **1196 4122 5182 6160 789 12157 15146** • BP.**2025** • USP **43** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **12 13** • Royal Decree **I1435** •

HAZARDOUS: C.E: 617-008-00-0 • RTECS: DM 8575000 • LD50 oral rat 7.710 mg/kg • LD50 ipr mus 250 mg/kg VLA-ED 5 mg/m3



H: H242 • H317 • H319 • H400 • H410 •

P: P210 • P220 • P234 • P280 • P370+P378 • P403+P235 • P411 • P420 • P501 • P261 • P272 • P302+P352 • P333+P313 • P321 • P363 • P264 • P305+P351+P338 • P337+P313 • •

TRANSPORT REGULATIONS: UN: 3104 • ADR: 5.2/ - • IMDG: 5.2/ - • IATA: 5.2/ - • PAX: 570 • CAO: 570 • (D) •

OBSERVATIONS: Storage between +2 and +8°C . •

SPECIFICATIONS:

Assay (Iodom.)	70,0-77,0 %
Minimum assay (Iodom.) (calc. a.d.s.)	98 %
Identity :	
Identity according to Pharmacopoeias:	passes test
Melting range (a.d.s.)	102-105°C

Maximum limit of impurities

Acidity	passes test
Chloride (Cl)	0,4%
Related substances	
Impurity A (Benzaldehyde)	0,25 %
Impurity B (Benzoic Acid)	1,5 %
Impurity C (Ethyl Benzoate)	0,25 %
Unspecified impurities	0,10 %
Residual solvents (Ph.Eur/USP)	passes test
Organic impurities	
Individual impurity	1,5%
Total impurities	2,0%
Water (H ₂ O)	>20 %