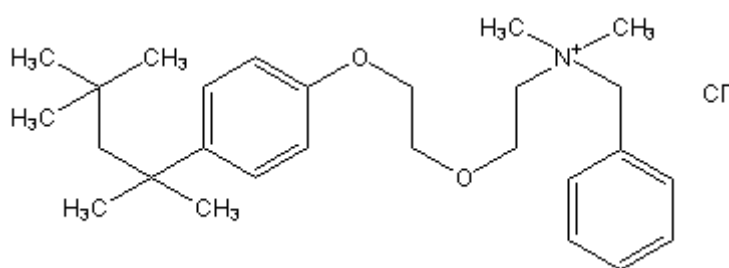


**PRODUCT CODE: 143083****Benzethonium Chloride (BP, Ph. Eur.) pure, pharma grade** $C_{27}H_{42}ClNO_2$ $C_{27}H_{42}ClNO_2$ 

M.= 448,18

CAS [121-54-0]

EINECS 204-479-9

TARIC 2923 90 00 90

SYNONYMS: Di-iso-Butylphenoxyethoxyethyldimethylbencylammonium Chloride, Hyamina 1622, N-Benzyl-N,N-Dimethyl-N-[-4-(1,1,3,3-Tetramethylbutyl)]

PHYSICAL DATA: Fine powder, crystals, White, Soluble in water, ethanol and chloroform. M.P.: ~163 °C • pH(1% sol.) 4,8 - 5,5 •

BIBLIOGRAPHY: Merck Index **12**, 1.103 13, 1.074 Beilstein **12 IV**, **2187** • BRN 3898548 • BP.**2018** • Ph. Eur. **8.0** (2014) **9.0** (2017) •

HAZARDOUS: RTECS: BO 7175000 • LD50 oral rat 368 mg/kg •



H: H302 • H314 • H410 •

P: P264 • P270 • P301+P312 • P330 • P501 • P260 • P280 • P301+P330+P331 • P303+P361+P353 • P363 • P310 • P321 • P304+P340 • P305+P351+P338 • P405 • P273 • P391 •

OBSERVATIONS: Storage away from direct light. •

SPECIFICATIONS:

Assay (calc. a.d.s.)	97,0-103,0 %
Identity :	
Identity according to Pharmacopoeias:	passes test
Melting range	158-163°C

Maximum limit of impurities

Appearance of solution	passes test
Acidity or alkalinity	passes test
Loss on drying at 105°C	5,0%
Residue on ignition (as SO ₄)	0,1 %
Volatile bases and salts of volatile bases	0,005%
Residual solvents (Ph.Eur/USP)	passes test

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