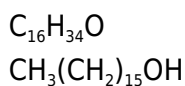


**PRODUCT CODE: 143143****Cetyl Alcohol (USP-NF, BP, Ph. Eur.) pure, pharma grade**



M.= 242,45 CAS [36653-82-4] EINECS 253-149-0
TARIC 2905 17 00 00

SYNONYMS: 1-Hexadecanol, Hexadecyl Alcohol, Palmitic Alcohol**PHYSICAL DATA:** solid, White, Insoluble in water D (50 °C) 0,82 • M.P.: 50 °C • B.P.: 344 °C •**BIBLIOGRAPHY:** Merck Index **13**, 2.037 14, 2.028 Sax **HCP000** • Safety **2**, **1839 A** • Ullmann (**5.**)1, 280 • Beilstein **1**, **429 I**, **219 II**, **466 III**, **1815 IV**, **1876** • BRN 1748475 • BP.**2018** • USP -**NF 36** • Ph. Eur. **8.0** (2014) 5.3, 3475 (2006) **9.0** (2017) 5.3, 3475 (2006) • Royal Decree I617 •**HAZARDOUS:** RTECS: MM 0225000 • LD50 oral mus 3.200 mg/kg • LD50 oral rat 6.400 mg/kg • LD50 oral rat 5.000 mg/kg • LC L0 rat 2200mg/m3 / 6h • LD L0 skn gpg 10.000 mg/kg •

H: H315 •
P: P264 • P280 • P302+P352 • P321 • P332+P313 • P501 • P362 •

SPECIFICATIONS:

Assay (G.C.)	95,0 - 102,0 %
Identity :	
Identity according to Pharmacopoeias:	passes test
Melting range	46-52°C

Maximum limit of impurities

Appearance of solution	passes test
Insoluble matter in alcohol	passes test
Residue on ignition (as SO ₄)	0,1 %
Acidity value	1
Hydroxyl value	218-238
Iodine value	2
Saponification value	2
Residual solvents (Ph.Eur/USP)	passes test

Fatty alcohol related sum (G.C.)	10,0 %
Unspecified amount of impurities (G.C.)	1 %
Water (H ₂ O)	0,5 %

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

As	0,00015 %
Cd	0,00005 %
Hg	0,00015 %
Pb	0,00005 %

VEGETABLE ORIGIN.