



KEMILAB Organics Ltd.
H-8200 Veszprém
Zrinyi street 13/B Hungary
Tel.: +36 30 226 4546
E-mail: kemilab@kemilab.hu

Version 8

Quality specification

Product name: 1-(3-DIMETHYLAMINOPROPYL)-3-ETHYL CARBODIIMIDE HYDROCHLORIDE
Product No.: 3803-KL
Molecular weight: 191,71
Formula: $C_8H_{18}ClN_3$ $(CH_3)_2N(CH_2)_3-N=C=N-CH_2CH_3 \cdot HCl$
CAS No.: 25952-53-8
EINECS No.: 247-361-2

CHARACTERISTIC	SPECIFIED VALUE
Appearance <i>Method: 3603</i>	<i>White crystalline powder</i>
Purity (by argentometria) <i>Method: 3703</i>	$\geq 99,0 \%$
Purity (by HPLC) <i>Method: 4014</i>	$\geq 98,5\%$
Water content (by KF). <i>Method: 0800</i>	$\leq 0,2 \%$
NMR spectrum <i>Method: 2600</i>	<i>Identify in comparing with the standard's spectrum Made periodically</i>
IR <i>Method: 1500</i>	<i>Identify in comparing with the standard's spectrum Made periodically</i>
Turbidity 10 m/m% solution in water <i>Method. 0310</i>	$\leq 10 \text{ NTU}$
Clarity test 10 m/m% solution in water <i>Method 0310</i>	<i>Clear & colourless</i>
Melting point <i>Method: 2100</i>	$110 - 116 \text{ }^\circ\text{C}$

Packaging: in fibreboard drums (or other drum, FIBC/box according to especial customer requirements) with double PE bags. Outer bag is made from Al-Barrier foil closed by heat sealing. Both bags are rinsed by Nitrogen. Shelf life is 12 monthes if the material is stored tightly closed with the exclusion of any moisture below +4 °C.

Veszprém, 02nd March, 2017

Nóra Koncsag/QA