

# Quality specification

Product name: 1-(3-DIMETHYLAMINOPROPYL)-3-ETHYL CARBODIIMIDE  
HYDROCHLORIDE  
Product No.: 3803-KL  
Molecular weight: 191,71  
Formula:  $C_8H_{18}ClN_3$   
CAS No.: 25952-53-8  
EINECS No.: 247-361-2

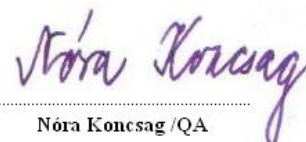
$(CH_3)_2N-(CH_2)_3-N=C=N-C_2H_5$

CHARACTERISTIC	SPECIFIED VALUE
<b>Appearance</b> <i>Method: 3603</i>	<i>White crystalline powder</i>
<b>Purity (by argentometria)</b> <i>Method: 3703</i>	$\geq 99,0$ m/m%
<b>Purity (by HPLC)</b> <i>Method: 4014</i>	$\geq 98,5$ a/a%
<b>Water content (by KF).</b> <i>Method: 0800</i>	$\leq 0,2$ m/m%
<b>IR</b> <i>Method: 1500</i>	<i>Identify in comparing with the standard's spectrum Made periodically</i>
<b>Clarity test</b> 10 m/m% solution in water <i>Method 0310</i>	<i>Clear</i> <i>Turbidity <math>\leq</math> NTU 10</i>
<b>Melting point (DSC)</b> <i>Method: 2100</i>	<i>110 – 117 °C</i>

Shelf life is 12 months if the material is in original packaging with the exclusion of any moisture at not higher than +8 °C. Storage at not higher than + 30°C is allowed not more than 7 days (for example during delivery at ambient temperature). The material can be re-tested to extend its use after 12 months.

Revision: it was revised the Version 12 on 14<sup>th</sup> February 2023.

Veszprém, 14<sup>th</sup> February 2023



Nóra Koncsag /QA