

## Certificate of Analysis

<b>PRODUCT:</b>	<b>EDAC.HCl</b> N-Ethyl-N'-(3-dimethylaminopropyl) carbodiimide hydrochloride, EDAC.HCl: 1-Ethyl-3-(3-dimethylaminopropyl) carbodiimide hydrochloride, EDC.HCl <b>C<sub>8</sub>H<sub>17</sub>N<sub>3</sub> · HCl; M.W. 191.7; CAS# [25952-53-8]</b>
<b>PRODUCT NUMBER:</b>	E-2042
<b>LOT NUMBER:</b>	L1272
<b>APPEARANCE:</b>	White powder
<b>ASSAY</b> (Argentometric titration):	99.9%
<b>MELTING POINT</b> (DSC):	112.2°C – 112.4°C
<b>IDENTITY</b> (IR Spectrum):	Conforms to structure
<b>CLARITY TEST:</b>	3NTU
<b>WATER CONTENT</b> (KF):	0.1%
<b>DESCRIPTION:</b>	EDAC or WSC is a versatile modern coupling agent. It is an easily handled solid with high solubility in water (200g/l) and organic solvents such as dichloromethane, tetrahydrofuran and dimethylformamide. EDC is often preferred to dicyclohexylcarbodiimide (DCC) in peptide synthesis because of its ease of handling and the enhanced solubility of EDC and the urea by-product formed during the coupling reaction. The urea by-product is readily soluble in water and can easily be removed by extraction whereas the DCC by-product, dicyclohexylurea, is usually removed by multiple filtrations.
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at -20°C. <b>PROTECT FROM MOISTURE &amp; LIGHT! HYGROSCOPIC!</b>

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KLS