



DALIAN HANDOM CHEMICALS CO.,LTD.

Add.: RM702, Unit 1, Building 21, Liuhe Road, Ganjingzi Dist, Dalian, Liaoning, China
E-mail: info@handom-chem.com Web.: www.handom-chem.com

Certificate of Analysis

Product Name: Ester base quaternary ammonium salts

Batch No.: HDC20230208

Manufacturing Date: Feb 8th, 2023

Packing: 190kg/drum

Quantity: 1140.00kg

CAS No.: 91995-81-2

Test Items	Units	Specifications	Test Results
Appearance	---	White or light yellow paste	Conforms
Active Matter	mmol/g	1.00~1.15	1.06
Solid Content	%	87~93	89.6
Acid Value	mg/g	Not more than 6	4.6
Amine Value	mg/g	Not more than 6	4.3
pH Value	---	2.0~4.0	2.7
Color	Gard	Not more than 3	0.5

Conclusion: The batch of goods is complied with the Enterprise Standard.