

Certificate of Analysis: NJ24-01181.001

CELANESE (NANJING) CHEMICAL CO., LTD
CHINA
210047

The results shown in this test report specifically refer to the sample(s) tested as received unless otherwise stated. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report. Precision parameters apply in the determination of the below results. Users of analytical results, when establishing conformance with commercial or regulatory requirements should note the full provisions of ASTM D3244, IP 367 and ISO 4259 in that context, the default confidence level of petroleum testing having been set at the 95% confidence level. Your attention is specifically drawn to Sections 7.3.6., 7.3.7 and 7.3.8 of ASTM D3244. With respect to the UOP methods listed in the report below the user is referred to the method and the statement within it specifying that the precision statements were determined using UOP Method 999. This Test Report is issued under the Company's General Conditions of Service (copy available upon request or on the company website at www.sgs.com). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. This report shall not be reproduced except in full, without the written approval of the laboratory.

JOB ORDER NO. :	COPCNJ2400820-01PC	BOSS ORDER NO.:	--
CLIENT ID :	2914183	VESSEL :	OCEAN HOPE 2403
LOCATION :	NANJING,CHINA	PRODUCT DESCRIPTION :	Acetic Acid
SAMPLE SOURCE :	Shore Tank	SOURCE ID :	T0402C
SAMPLE TYPE :	Before Loading	SAMPLE BY :	SGS
SAMPLED :	21/03/2024	RECEIVED :	21/03/2024
ANALYSED :	21/03/2024	COMPLETED :	21/03/2024
CONTAINER:	1x500mL Glass Bottle	SAMPLE STATE:	Liquid in transparent glass bottle
SAMPLE COMMENT :	* Clear and free from suspended matter in sample		
REPORT COMMENT :	The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.		

PROPERTY	METHOD	RESULT UNITS	MIN	MAX
Appearance	MAP SM111	* ---	--	--
Water by KF	ASTM D1364-22	0.093 % (m/m)	--	0.15
Platinum Cobalt Colour	ASTM D1209-05(2019)	3 Pt/Co Colour	--	5
Chlorides	MAP 70020	<1 mg/kg	--	1
Permanganate Time	HAC-1005(Long Procedure) (Celanese)	>2 h	2	--
Freezing Point acc. ASTM D1493 (withdrawn)	ASTM	16.40 °C	16.35	--
Purity	E302-95(Withdrawn2001)			
	ASTM	99.89 % (m/m)	99.85	--
Formic Acid	E302-95(Withdrawn2001)			
Density at 20°C	ASTM D3546-05(2019)	0.002 % (m/m)	--	0.05
Acetaldehyde Content	ASTM D4052-22	1.049 kg/L	1.048	1.051
Iron Content	ASTM D2191-22	0.002 % (m/m)	--	0.005
Heavy Metals as Lead	ASTM E394-22	0.04 mg/kg	--	0.4
Sulphates	MAP 70022	<0.5 mg/kg	--	0.5
Distillation Range of Volatile Organic Liquids	MAP 70021	<1 mg/kg	--	1
	ASTM D1078-11(2019)			
	Initial boiling point (IBP)	117.9 °C	--	--
	Dry Point	118.3 °C	--	--
Sulfurous Acid	SGS-CNO-M-006	<1 mg/kg	--	1
Sulfur Content	ASTM D5453-19a	<1 mg/kg	--	1
Propionic Acid	SGS-CNO-M-GC009	0.017 % (m/m)	--	0.05
Nonvolatile Matter	ASTM D1353-13(2021)	<0.001 % (m/m)	--	0.003

----- End of Analytical Results -----

REPORTED BY

AUTHORISED SIGNATORY

Chuck Cui
Chemist

Alan Gao
Lab Manager & Testing Services



2703202408430000084494

Page 1 of 1

OGC-EN_REPORT_MS-2017-07-11_v60e

SGS-CSTC Standards Technical Services Co., Ltd.
Nanjing OGC Lab

4/F, Building 6, C Park, No.88 South Tank Road, Jiangbei New Area, Nanjing, Jiangsu, 210044