

CERTIFICATE OF ANALYSIS

JUNANRESOURCES(HONGKONG)CO., LIMITED :

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. :	COPCQZH2300068-01PC	BOSS ORDER NO.:	--
CLIENT ID :	N/A	VESSEL :	SEA HARVEST
LOCATION :	VOPAK (QINZHOU)JETTY CO.,LTD.	PRODUCT DESCRIPTION :	Glacial Acetic Acid
SAMPLE SOURCE :	Shore Tanks	SOURCE ID :	2#&4#&5#&6#
SAMPLE TYPE :	Composite Before Loading	SAMPLE BY :	SGS
SAMPLED :	06/02/2023	RECEIVED :	06/02/2023
ANALYSED :	11/02/2023	COMPLETED :	11/02/2023
CONTAINER:	1×500mL Glass Bottle	SAMPLE STATE:	Liquid in Brown Glass Bottle
REPORT COMMENT :	*Free and clear. 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	Visual	* ---	--	--
Platinum Cobalt Colour	ASTM D1209-05(2019)	5 Pt/Co Colour	--	10
Density at 20°C	ASTM D4052-22	1.0492 g/cm³	1.048	1.051
Water Content by Coulometric KF	ASTM E1064-16	0.026 % (m/m)	--	0.15
Freezing Point acc. ASTM D1493 (withdrawn)	ASTM E302-95(Withdrawn2001)	16.50 °C	16.35	--
Purity	ASTM E302-95(Withdrawn2001)	99.93 % (m/m)	99.8	--
Nonvolatile Matter	ASTM D1353-13(2021)	<0.001 % (m/m)	--	0.010
Iron Content	ASTM E394	0.09 mg/kg	--	0.4
Acetaldehyde	GB/T 1628-2020	0.005 % (m/m)	--	0.03
Formic Acid	ASTM D3546-05(2019)	0.009 % (m/m)	--	0.05
Sulphates (as SO4)	MAP 70021	<1 mg/kg	--	1
Chloride Content	SGS-CNO-M-001(In-House)	<1 mg/kg	--	1
Heavy Metals as Lead	ASTM D1347-72(1995) (Withdrawn2003)	<0.5 mg/kg	--	1
Permanganate Time	GB/T 1628-2020	>120 min	120	--
Propionic Acid	GB/T 1628-2020(Appendix E)	0.01 % (m/m)	--	0.05

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

REPORTED BY

AUTHORISED SIGNATORY

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