



CERTIFICATE OF ANALYSIS

QD21-01601.001

Report Date: 21/10/2021

JUNAN RESOURCES (HONG KONG) 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. :	COPCQD2100869-01PC	BOSS ORDER NO.:	--
CLIENT ID :	N/A	VESSEL :	TSM POLLUX
LOCATION :	Huangdao, China	PRODUCT DESCRIPTION :	Methyl Ethyl Ketone (MEK)
SAMPLE SOURCE :	Shore Tank	SOURCE ID :	V9202A#
SAMPLE TYPE :	Before Loading	SAMPLE BY :	SGS
SAMPLED :	18/10/2021	RECEIVED :	20/10/2021
ANALYSED :	21/10/2021	COMPLETED :	21/10/2021
CONTAINER:	1x200mL Glass Bottle	SAMPLE STATE:	Clear and Colorless Liquid
SAMPLE COMMENT :	* Clear, Free of residue.		
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
Density at 20°C	ASTM D4052-18a	0.8050 g/cm³	0.804	0.806
Relative Density (SG) at 20/20°C	ASTM D4052-18a	0.8065 ---	--	--
Purity of Methyl Ethyl Ketone by Gas Chromatography	ASTM D2804-02(2012)			
Methyl Ethyl Ketone		99.98 % (m/m)	99.5	--
Water by KF	ASTM D1364-02(2012) (Withdrawn 2021)	0.007 % (m/m)	--	0.05
Distillation Range of Volatile Organic Liquids	ASTM D1078-11(2019)			
Initial boiling point (IBP)		79.5 °C	78.5	81
Dry Point		79.8 °C	78.5	81
Nonvolatile Matter	ASTM D1353-13(2021)	0.1 mg/100mL	--	5
Platinum Cobalt Colour	ASTM D1209-05(2019)	<5 Pt/Co Colour	--	10
Acidity (as Acetic Acid)	ASTM D1613-17	0.0010 % (m/m)	--	0.003
Appearance	Visual	* ---	--	--

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

REPORTED BY

AUTHORISED SIGNATORY

May Li
Chemist

2110202110580000027080

SGS-CSTC Standards Technical Services (Qingdao)
Co., Ltd.
OGC Lab.SGS Center, No.143 Zhuzhou Road, Qingdao, China 26610
No.197, Tuanjie Road, Economic and Technical Development Zone, Qingdao, Shandong, China 266500

OGC-En_report-2017-07-11_v60e

Member of the SGS Group (Société Générale de Surveillance)