



# Alex Stewart International

## CERTIFICATE OF ANALYSIS

Ref. No. UJ27805

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**ORIGINAL**

This is to certify that, at the request of Messrs. **ALMAZ FERTILIZERS LLC**, we have performed analysis of the under mentioned commodity:

<b>PRODUCER:</b>	<b>LLC «ALMAZ FERTILIZERS»</b>
<b>ORIGIN:</b>	<b>RUSSIAN FEDERATION</b>
<b>PRODUCT NAME</b>	<b>MONOPOTASSIUM PHOSPHATE</b>
<b>IUPAC NAME</b>	<b>POTASSIUM DIHYDROGENORTHOPHOSPHATE</b>
<b>CAS</b>	<b>7778-77-0</b>
<b>PLACE OF SAMPLING:</b>	<b>ALMAZ FERTILIZERS LLC, HOUSE 7, STREET PROMYSHLENNAYA, CITY LERMONTOV, STAVROPOL TERRITORY, RUSSIAN FEDERATION</b>
<b>MARKING OF THE SAMPLE:</b>	<b>LABEL STATING</b>
	<b>- THE DATE OF SAMPLING (10.08.22)</b>
	<b>- MATERIAL NAME (MONOPOTASSIUM PHOSPHATE)</b>
	<b>- SAMPLING ACCORDING TO CEN EN 1482-1-2007</b>
<b>DATE OF SAMPLING:</b>	<b>AUGUST 10, 2022</b>
<b>DATE OF RECEIPT OF SAMPLES:</b>	<b>AUGUST 22, 2022</b>
<b>SAMPLE PREPARATION ACCORDING TO</b>	<b>CEN EN 1482-2-2007</b>
<b>DATE OF THE ANALYSIS:</b>	<b>22 – 24.08.2022</b>
<b>DATE OF ISSUE:</b>	<b>AUGUST 24, 2022</b>
<b>LABORATORY DETAILS:</b>	
<b>- NAME</b>	<b>SIENTIFIC-TESTING LABORATORY OF ASI UKRAINE LLC (Alex Stewart International)</b>
<b>- ADDRESS</b>	<b>128, MYKOLAIIVSKA DOROHA, ODESA, 65013, UKRAINE</b>
<b>- DETAILS OF ACCREDITATION</b>	<b>ACCREDITED BY NATIONAL ACCREDITATION AGENCY OF UKRAINE IN COMPLIANCE TO EN ISO/IEC 17025:2019 ACCREDITATION REGISTEDED 31.05.2021, ACCREDITATION NUMBER 201682 VALID TILL 16.06.2024</b>

This certificate is issued pursuant to an inspection carried out within the scope of the principals instructions and with the due care and skill conformity with the Quality Standards of Alex Stewart International (ASI Ukraine LLC).

This certificate is governed by the General Terms and Conditions appearing on the reverse.

Claims in respect of this certificate will be considered only if based upon gross failure to take due care proven by the principal. This certificate is not intended to relieve the parties to any relevant sales contract from their contractual obligations.



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### CHEMICAL COMPOSITION ANALYSIS REPORT

Laboratory analyses were performed for a provided sample according to requirements and following results were obtained:

Parameter	Test method	Actual results
Mass share of base material (KH <sub>2</sub> PO <sub>4</sub> ), %	ISO 3771 -2013	99,95
Mass share of phosphates in terms of P <sub>2</sub> O <sub>5</sub> , %	CEN EN 15958-2014 CEN EN 15959-2014	51,2
Mass share of potassium in terms of K <sub>2</sub> O by flame photometry, %	CEN EN 15477-2013	34,6
Mass share of Arsenic (As), mg/kg	BS EN 16317-2013/ICP-MS/ ICP-AES	1,3
Mass share of Lead (Pb), mg/kg	BS EN 16319:2013+A1-2015/AAS	<1,0
Mass share of Cadmium (Cd), mg/kg	CEN EN 14888-2013/AAS	<0,2
Mass share of Mercury (Hg), mg/kg	BS EN 16320-2013/AAS	<0,1
Mass share of Hexavalent Chromium (Cr VI), mg/kg	BS EN 16318-2013/ICP-MS/ ICP-AES	<1,0
Mass share of Copper (Cu), mg/kg	CEN EN 14084-2014/ICP-MS/ ICP-AES	<1,0
Mass share of Zinc (Zn), mg/kg	CEN EN 14084-2014/ICP-MS/ ICP-AES	<1,0
Mass share of Nickel (Ni), mg/kg	BS EN 16319:2013+A1-2015/ICP-MS/ ICP-AES	<1,0
Phosphonates	PD CEN/TS 17705:2022	-

#### EQUIPMENT USED:

- Analytical scales Sartorius MSA225S-100-DI, verified 11.21, valid till 11.2022
- Atomic Absorption spectrometer Hitachi Z-5300, verified 03.2022, valid 03.2023
- Mercury analyzer Lumex-Marketing RA-915, verified 03.2022, valid 03.2023
- Ionometer produced by Izmeritel'naya Technika LLC, I-160MI, verified 12.2021 valid till 12.2022
- Spectrophotometer LEKI SS 2107 UV, verified 03.2022 valid till 03.2023
- ICP spectrometer Shimadzu, ICPE 9000, verified 03.2022, valid till 03.2023.
- Universal spectrometer "Gamma-plus", Model 9826-B-G, verified 05.2022, valid till 05.2023.

**DATED: AUGUST 24, 2022**

**ISSUED BY AN INDEPENDENT INSPECTION COMPANY  
ALEX STEWART INTERNATIONAL**

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