



A-Energy Group

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Commercial Offer

Dear Buyer,

CJSC "A-ENERGY GROUP" has the honor to offer you the following product:

Number	Name of product	Package	The cost per 1 gram
1.	Osmium Powder – 187 (see Appendix 1)	One Container, 51 Ampoules with Osmium Powder. Net Weight 1533,55 g	From 29580 USD

Osmium Powder – 187:

Price in US Dollars.

The purity grade of Lot of Osmium Powder is 99,95 %.

The certification procedure is carried out in any laboratory in the world at the customer's request. The terms are discussed individually.

Our company works exclusively on prepayment, the quantity of the item is discussed separately. The final price depends on the terms of the transaction.

You can provide the sales contract yourself.

The cost of logistics is calculated separately and depends on the terms of the contract.

You can send any feedback and suggestions to our e-mail: info@a-energy.am .

Kind Regards, General Director of CJSC "A-ENERGY GROUP"

Khachatur Hakobyan



10162024

Appendix 1

Osmium Powder – 187

One Container, 51 Ampoules with Osmium Powder. Net Weight 1533,55 g





GIREDMET
ROSATOM

JOINT-STOCK COMPANY
STATE SCIENTIFIC-RESEARCH AND DESIGN INSTITUTE
OF RARE-METAL INDUSTRY
«GIREDMET»

GIREDMET TESTING ANALYTICAL CENTER

Russia, 111524, Moscow, Elektrodnyaya street, 2, Building 1, floor 5, room. VI-39; tel.; (495) 708-4466; www.giredmet.ru

REPORT № 21690.23

Certificate supplement 3673-23

Material: Osmium Powder
Number Sample: 1 **Code:** Lot #235230-31-41
Order №, date: 388-23 from September 19, 2023
Customer: Certifications body ANSERTEKO Ltd for LLC SPC "METALL EXPO"
Sampling: Made by ANSERTEKO Ltd
Object of Test: Determination complete impurities with exception of gas-formings impurities by according order of Customer
Methods of analysis: Spark Source Mass Spectrometry, the JMS-01-BM2 double focusing mass spectrometer Au 1.3
Date analysis: September 20, 2023

Element	ppm*	Element	ppm*	Element	ppm*
H	-	Zn	6	Pr	< 0.1
Li	< 0.01	Ga	< 0.05	Nd	< 0.1
Be	< 0.01	Ge	< 0.05	Sm	< 0.1
B	10	As	0.7	Eu	< 0.1
C	-	Se	< 0.05	Gd	< 0.1
N	-	Br	4	Tb	< 0.1
O	-	Rb	< 0.05	Dy	< 0.1
F	5	Sr	< 0.05	Ho	< 0.1
Na	50	Y	< 0.05	Er	< 0.1
Mg	6	Zr	< 0.05	Tm	< 0.1
Al	20	Nb	ND**	Yb	< 0.1
Si	100	Mo	< 0.05	Lu	< 0.1
P	2	Ru	< 0.05	Hf	< 0.2
S	500	Rh	< 0.05	Ta	ND**
Cl	600	Pd	70	W	< 0.2
K	8	Ag	4	Re	< 0.2
Ca	9	Cd	< 0.05	Os	MATRIX
Sc	< 0.01	In	< 0.05	Ir	< 1
Ti	20	Sn	< 0.05	Pt	10
V	< 0.01	Sb	< 0.05	Au	2
Cr	1	Te	< 0.05	Hg	< 0.2
Mn	1	I	2	Tl	< 0.2
Fe	80	Cs	< 0.1	Pb	< 0.2
Co	< 0.02	Ba	< 0.1	Bi	< 0.2
Ni	2	La	< 0.1	Th	< 0.2
Cu	90	Ce	< 0.1	U	< 0.2

*The results are presented as Parts Per Million (1 ppm = 0.0001 %)

The relative standard deviation is 0.15-0.30

** ND - No determination, Nb and Ta are materials of Ion Source

The results of analysis refer to the object specified in the Report

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Engineer of MS Lab



Elizaveta N. Kareva

September 22, 2023





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of Isotopic Determination

Osmium Powder

Lot #235230-31-41

One Container, 51 Ampoules with Osmium Powder.

Net Weight 1533,55 g*.

The determination of atomic fractions was made by Spark Source Mass Spectrometry. The JMS-01-BM2 double focusing mass spectrometer manufactured by JEOL (Japan) was applied. The high resolution mass spectra were photographed on Ilford-Q plates. Joyce Loeb (United Kingdom) SM3 microdensitometer was used for the mass spectrum lines identification. Quantity estimation was calculated by original MS Lab software. The relative standard deviation is 0.01-0.05 for isotope abundance measuring.

The results are presented in atomic percent.

Isotope	Measured Abundance % at
184	0.02
186	1.59
187	1.96
188	13.24
189	16.15
190	26.26
192	40.78

Isotopic Abundance corresponds to natural

* Net Weight is corresponded to data of Customer.

Head of the Center, Dr.
Engineer of MS Lab



Elizaveta S. Koshel
Elizaveta N. Kareva

Order #388-23

