



A-Energy Group

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Taxpayer registration number: 04454207 | Legal entity code: 54761284

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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.	Cesium (metal) Content of isotope 133 Cs - 100% (see Appendix 1)	One container, 3 glass ampoules: 2 ampoules (No.1 and No.2) = 310 g 1 ampoule (No.3) = 500 g	From 40,8 USD

Cesium (metal):

Price in US Dollars.

The total content of metallic impurities in the cesium batch is no more than 0.045% by weight. The purity of the cesium batch is 99.955% by weight.

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

Cesium (metal)

Content of isotope ^{133}Cs - 100%

One container, 3 glass ampoules:

2 ampoules (No.1 and No.2) = 310 g, 1 ampoule (No.3) = 500 g.





STATE RESEARCH CENTER OF THE RUSSIAN FEDERATION
JOINT-STOCK COMPANY
STATE SCIENTIFIC-RESEARCH AND DESIGN INSTITUTE
OF RARE-METAL INDUSTRY

Giredmet testing analytical center

Russia, 119017, Moscow, B. Tolmachevsky lane, Building 5-1. Tel.: (495) 981-3010, fax: (495) 953-8791; www.giredmet.ru; karpov@giredmet.ru

REPORT № 19219.17

on Impurities Determination

Certificate supplement 3381-17

Cesium (metal) Lot #24/2

Sampling was made by ANSERTEKO Ltd.

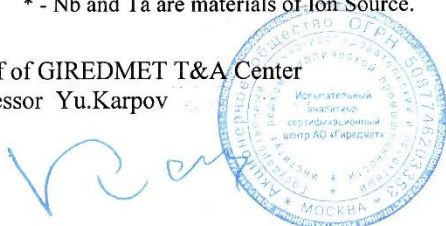
The impurities evaluation was made by Spark Source Mass Spectrometry. The JMS-01-BM2 double focusing mass spectrometer manufactured by JEOL (Japan) was applied. The high resolution mass spectra were photographed on Ilford-Q plates. The relative standard deviation is 0.15-0.30.

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

Element	ppm	Element	ppm	Element	ppm
H	ND	Zn	0.4	Pr	< 0.05
Li	0.4	Ga	0.7	Nd	< 0.05
Be	< 0.001	Ge	< 0.03	Sm	< 0.05
B	0.5	As	3	Eu	< 0.05
C	ND	Se	< 0.03	Gd	< 0.05
N	ND	Br	< 0.03	Tb	< 0.05
O	ND	Rb	10	Dy	< 0.05
F	< 0.01	Sr	< 0.03	Ho	< 0.05
Na	200	Y	< 0.03	Er	< 0.05
Mg	10	Zr	< 0.03	Tm	< 0.05
Al	10	Nb*	ND	Yb	< 0.05
Si	0.4	Mo	< 0.03	Lu	< 0.05
P	< 0.01	Ru	< 0.03	Hf	< 0.1
S	< 0.01	Rh	< 0.03	Ta*	ND
Cl	< 0.01	Pd	< 0.03	W	< 0.1
K	200	Ag	< 0.03	Re	< 0.1
Ca	< 0.01	Cd	< 0.03	Os	< 0.1
Sc	< 0.01	In	< 0.03	Ir	< 0.1
Ti	< 0.01	Sn	< 0.03	Pt	< 0.1
V	0.5	Sb	< 0.03	Au	< 0.1
Cr	0.7	Te	< 0.03	Hg	< 0.1
Mn	0.1	I	< 0.03	Tl	< 0.1
Fe	7	Cs	OCHOBA	Pb	< 0.1
Co	< 0.02	Ba	< 0.05	Bi	< 0.1
Ni	< 0.02	La	< 0.05	Th	< 0.1
Cu	2	Ce	< 0.05	U	< 0.1

* - Nb and Ta are materials of Ion Source.

Chief of GIREDMET T&A Center
Professor Yu.Karpov



Elizaveta N. Kareva
Engineer of MS Lab

January 19, 2017

