

**Certified translation from the Polish language**



The President of the National Atomic Energy Agency ---

File No. DOR.4130.228.2020.KP---

Warsaw, 16<sup>th</sup> March 2020

**DECISION  
CERTIFICATE No. PL/0029/S (Rev.1) ---  
for special form radioactive material ---**

Pursuant to:

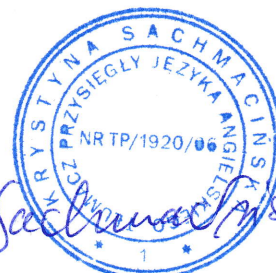
- Art. 104 of the act of 14<sup>th</sup> June 1960 – The Code of Administrative Procedure (Dz. U. of 2020, item 256), ---
- Art. 109 § 1 of the act o of 29<sup>th</sup> November 2000 - Atomic Law (Dz. U. of 2019 item 1792 as amended),
- Art. 9 § 1.5 of the Act of 19<sup>th</sup> August 2011 on the transportation of hazardous materials (Dz. U. 2020, item 154), ---

in relation to the prescribed requirements as defined in: ---

- section 5.1.5.2.1 and 6.4.23.13 of Schedule A to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) (Dz. U. of 2019 item 769),
- section 5.1.5.2.1 and 6.4.23.13 of the Schedule to the Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) representing Schedule C to the Convention concerning International Carriage by Rail (COTIF) (Dz. U. of 2019 item 2281),
- section 5.1.5.2.1 of the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN) (Dz. U. of 2019, item 1734), ---
- the International Maritime Dangerous Goods Code, 2018 Edition Incorporating Amendment 39-18 (the IMDG Code), ---
- ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air 2019-2020 Edition, ---

and taking into account: ---

- the Act of 15<sup>th</sup> November 1984 - the Carriage Law (Dz. U. of 2020, item 8),
- Regulations for the Safe Transport of Radioactive Material, 2018 Edition No. SSR 6, issued by the International Atomic Energy Agency (IAEA), ---



having considered the application filed by the National Centre for Nuclear Research (05-400 Otwock, ul. Andrzeja Sołtana 7) of 23<sup>rd</sup> December 2019 (date of receipt: 23<sup>rd</sup> December 2019), file number: OR/HM/MK/76/2019, I hereby certify that the radioactive source model described herein below ---

**complies with the requirements prescribed for special form radioactive material ---**

as defined in the foregoing international regulations and the provisions in force in Poland relating to the safe carriage of radioactive materials. ---

**1. Description of the special form radioactive material source**

This certificate is related to the model of special form radioactive material source Ir-192 encased in a double protective housing (inner housing type **HAT**, outer housing type **HCT**, radioactive source code: **IR3HCT**) manufactured by the Radioisotopes Centre POLATOM of the National Nuclear Research Centre in Otwock, whose structure, dimensions and mode of manufacture are defined by the "Technological and Dosimetric Instruction for the Manufacture of Ir-192 and Co-60 Industrial Radiation Sources". The active part of the radioactive material source is placed in a HAT-type protective housing placed inside a HCT-type protective housing. Both types of housing are made from Grade 2 titanium and each of them is hermetically sealed using the TIG (Ar) arc welding method. ---

**2. Description of the radioactive material**

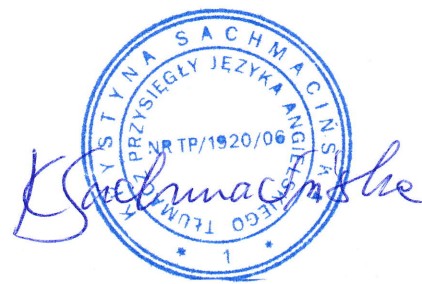
The radioactive material concerned is Ir-192 in the form of metallic iridium pellets with dimensions  $\varnothing$  3.0 mm x 0.2 mm. The maximum dimension of the active part of the radioactive source is  $\varnothing$  3.0 mm x 2.2 mm. The maximum activity of the radioactive material in the HAT/HCT-type housing amounts to 5.0 TBq. ---

**3. The management system**

The specification of the management system applied is represented by the Quality Assurance Programme for Nuclear Safety and Radiological Protection of the Radioisotopes Centre POLATOM (No.: NJ 4001/7 of 12<sup>th</sup> April 2016, Rev. 7). ---

**4. Certificate validity date**

This certificate is **valid until 20<sup>th</sup> March 2023** ---





## STATEMENT OF REASONS

This decision has been issued on the basis of the application filed by the National Center for Nuclear Research on 23<sup>rd</sup> December 2019, file No. OR/HM/MK/76/2019, having analyzed the dossier submitted on this case. -

The Applicant has submitted an application for the issuance of another decision approving the certificate for the special form radioactive material due to the approaching expiration date of the decision of the President of the National Atomic Energy Agency of 20<sup>th</sup> April 2017. ---

The following documents have been attached to the application: ---

- a) The Quality Assurance Programme for Nuclear Safety and Radiological Protection of the Radioisotopes Centre POLATOM (No.: NJ 4001/7 of 12<sup>th</sup> April 2016, Rev. 7). ---
- b) The Technological and Dosimetric Instruction for the Manufacture of sealed Ir-192 and Co-60 Industrial Radiation Sources (No. DP 2311/9 of 24<sup>th</sup> October 2018, Rev. 9); ---
- c) Report No. 2/2016 of 5<sup>th</sup> December 2016 with attached protocols from the tests conducted by the Radioisotopes Centre POLATOM of the National Nuclear Research Centre. ---

Having analysed the foregoing dossier, the competent authority stated that the special form radioactivity material model referred to in the Party's application complies with the requirements prescribed in the regulations concerning the safe carriage of radioactive materials.

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<p><i>An official round seal with Poland's coat-of-arms, reading:</i></p> <p><b>THE NATIONAL ATOMIC ENERGY AGENCY ---</b></p> <p><b>*1* ---</b></p>	<p><i>/Signature illegible/ ---</i></p>
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Instruction: ---

A party dissatisfied with a decision may file an application with the President of the National Atomic Energy Agency for the re-examination of the case within 14 days of this decision being served thereto. Should such party not be willing to avail itself of the right to apply for re-examination of their case, it may submit a complaint against a re-examination decision before the Voivodeship Administrative Court in Warsaw within 30 days of the petitioner being served the re-examination decision in the case. ---


Such complaint is filed through the agency of the President of the National Atomic Energy Agency. An amount collected for each complaint is PLN 200.00. The complaining party may apply for assistance in the form of being exempted from court fees and appointing an official solicitor, legal counsellor, tax advisor or a patent agent. During the application submission prescribed time, the party may renounce the right to file an application for the re-examination of the case with the President of the National Atomic Energy Agency. On the date of such declaration of renouncement of the right to file such application for re-examination of the case by the latter of the parties being served to the President of the



National Atomic Energy Agency, such decision becomes final and valid, which means that a complaint against said decision may not be submitted to the Voivodeship Administrative Court. ---

Copies to: ---

1. The National Center for Nuclear Research, the Radioisotopes Center POLATOM ---  
ul. Andrzeja Sołtana 7, 05-400 Otwock ---
2. A file copy ---

	ul. Bonifraterska 17, 00-203 Warsaw, <a href="http://www.paa.gov.pl">www.paa.gov.pl</a> ---
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*I, the undersigned, Krystyna Sachmacińska, sworn translator of the English language registered under No. TP/1920/06 on the List of Sworn Translators kept by the Minister of Justice of the Republic of Poland, certify that this is a true and correct translation of an original document drawn up in the Polish language. (This documents comprises 7 pages of certified translation)*

**Warsaw, 23<sup>rd</sup> March 2020.**

**Repertory No. 56 / 2020.**