



क्रम सं. / SL. NO. : A 366 A 36513

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परमाणु ऊर्जा विभाग / DEPARTMENT OF ATOMIC ENERGY

विकिरण एवं आइसोटोप प्रौद्योगिकी बोर्ड / BOARD OF RADIATION & ISOTOPE TECHNOLOGY

रेडियोसक्रियता परीक्षण प्रमाण-पत्र / RADIOACTIVITY TEST CERTIFICATE

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RADIOANALYTICAL LABORATORY

Ref: BRIT/RAL/D/596-607/MISC/504-515/18-19

JAN. 08, 2019

TO
M/S. JYOTI CERAMIC INDUSTRIES PVT LTD,
PLOT NO C 21, N.I.C.E., SATPUR,
NASHIK 422007, INDIA.

This is regarding the sample of "ZIRCONIUM DIOXIDE POWDER" sent for radioactivity analysis vide your letter dated 28.11.2018 which as per above letter, has the following details:

MATERIAL : ZIRCONIUM DIOXIDE POWDER
NAME OF COMPANY : JYOTI CERAMIC INDUSTRIES PVT LTD,
PLOT NO C 21, N.I.C.E., SATPUR, NASHIK 422007, INDIA.
QUANTITY SUBMITTED : 500 GMS X 3 NOS.
BATCH NO. : E3002, D3024 AND D3028

The sample was analysed for U-238, Th-232, Ra-226, K-40 radioactivity content and the values obtained are as follows:

SR NO	SAMPLE DESCRIPTION	BATCH NO	U-238 (Bq/Kg)	Th-232 (Bq/Kg)	Ra-226 (Bq/Kg)	K-40 (Bq/Kg)
1.	ZIRCONIUM DIOXIDE POWDER	E3002	4.7 ± 0.5	2.5 ± 0.3	6.5 ± 0.6	MDL 6
2.	ZIRCONIUM DIOXIDE POWDER	D3024	4.2 ± 0.5	2.3 ± 0.4	2.1 ± 0.3	MDL 6
3.	ZIRCONIUM DIOXIDE POWDER	D3028	MDL 1.9	2 ± 0.1	0.8 ± 0.07	MDL 6

Date of receipt of sample: 29.11.2018

Date of completion of test: 02.01.2019

The measurement values are below the clearance level for radionuclides of natural origin in bulk solid materials, as per AERB directive 01/2010 (table-3) dated 26/11/2010.

Note: (i) The report pertains to the given sample only. (ii) The sample will be retained in this laboratory for a period of one month from certificate date and thereafter it will be disposed off. (iii) This report shall not be reproduced except in full, without written approval of the laboratory. (iv) The sampling is not done by this laboratory.

Checked by:

Authorized signatory:

08/01/2019

एन. जयचंदन / N. Jayachandran
प्रभारी अधिकारी / Officer-in-Charge
रेडियोऐनलिटिकल प्रयोगशाला / Radianalytical Laboratory
विकिरण एवं आइसोटोप प्रौद्योगिकी बोर्ड
Board of Radiation & Isotope Technology,
सेक्टर / Sector-20, वाशी संकुल / Vashi Complex
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****End of Report****

Received. 20/01/2019