



## RADIATION DECLARATION

We herewith declare that the:

### 1. MICRONIZED ZIRCONIUM SILICATE ZIRCON SAND

Customs Tariff Code : 25309099

Contains :

**213 ppm      2.07 (Bq/g) +/- 10% of naturally occurring Uranium and**  
**149 ppm      1.33 (Bq/g) +/- 10% of naturally occurring Thorium.**

Possession of this material is therefore allowed in the European Community without a permit under the "Euratom Guideline 96/29", effective since 13th. May 1996, but requires a notification of the possession of this material to the applicable national authorities.

National guidelines may however be more stringent than this Euratom Guideline.

If the exposure of workers to Zirconium Silicate is of a permanent nature within the working environment the dose to the workers may exceed to 1 mSv/year. In this case physical radioprotection surveillance becomes necessary for the related workplace and related workers.

With respect to the "Regulations for the Safe Transport of Radioactive Materials", Safety Standards Series N, ST-1, Vienna 1996, effective since 1st July 2001, the specific activity of Uranium and Thorium does not exceed the exemption level of 10 Bq/g, also taking into account the measurement precision tolerance (<4.6 Bq/g)

As far as the IAEA regulations (edition 1985, amended 1990) are concerned the specific activity is:

**2.07 Bq/g +/- 10% of Uranium and all radioactive daughter products and**  
**1.30 Bq/g +/- 10% of Thorium and all radioactive daughter products**

and because of that, the total specific activity does not exceed 70 Bq/g, also taking into account the measurement precision tolerance ( $\leq 63.01$  Bq/g)

For, OPAQUE CERAMICS PVT LTD

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 DIRECTOR

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**O P A Q U E**

C E R A M I C S

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