

# TECHNICAL DATA SHEET

**coat**tun  
Q.5

**CAS NUMBER** : 14808-60-7  
**EINECS NUMBER** : 238-878-4  
**MATERIAL CODE** : Q.5 (KK.20.M.0028)  
**PRODUCTION PLANT** : Kaltun - Cine / AYDIN/ TURKIYE  
**SHORT DESCRIPTION OF MATERIAL** : **COATTUN Q.5** is a high quality Quartz, produced from deposits in the Cine-Milas region, Turkiye.

## PHYSICAL & CHEMICAL PROPERTIES OF MATERIAL:

|             | Particle Size Distribution |                            |              |               |               | Colour       |             |            | Others            |                   |          |            |            |
|-------------|----------------------------|----------------------------|--------------|---------------|---------------|--------------|-------------|------------|-------------------|-------------------|----------|------------|------------|
|             | Sieve Residue              | Malvern (Mastersizer 2000) |              |               |               | Elrepho 450  |             |            | Density           | Bulk Density      | Hardness | Humidity   | Oil Absorb |
|             | + 45µm                     | D/10                       | D/50         | D/97          | D/100         | L*           | a*          | b*         | g/cm <sup>3</sup> | g/cm <sup>3</sup> | mohs     | %          | g/100g     |
| <b>Typ.</b> | <b>0,0 %</b>               | <b>1,3µm</b>               | <b>5,0µm</b> | <b>25,0µm</b> | <b>45,0µm</b> | <b>95,50</b> | <b>0,20</b> | <b>2,0</b> | <b>2,65</b>       | <b>0,59</b>       | <b>7</b> | <b>0,2</b> | <b>31</b>  |
| <b>Min.</b> | -                          | -                          | <b>4,5µm</b> | -             | -             | <b>94,25</b> | -           | -          | -                 | -                 | -        | -          | -          |
| <b>Max.</b> | <b>0,1 %</b>               | -                          | <b>6,0µm</b> | -             | <b>50,0µm</b> | -            | <b>0,30</b> | <b>2,5</b> | -                 | -                 | -        | <b>0,5</b> | -          |

|             | Chemical Analysis (*) |                                |                                |                  |             |             |                   |                  |                               |             |  |
|-------------|-----------------------|--------------------------------|--------------------------------|------------------|-------------|-------------|-------------------|------------------|-------------------------------|-------------|--|
|             | SiO <sub>2</sub>      | Al <sub>2</sub> O <sub>3</sub> | Fe <sub>2</sub> O <sub>3</sub> | TiO <sub>2</sub> | CaO         | MgO         | Na <sub>2</sub> O | K <sub>2</sub> O | P <sub>2</sub> O <sub>5</sub> | L.O.I       |  |
| <b>Typ.</b> | <b>98,49</b>          | <b>0,80</b>                    | <b>0,05</b>                    | -                | <b>0,06</b> | <b>0,02</b> | <b>0,35</b>       | <b>0,08</b>      | -                             | <b>0,15</b> |  |

(\*) WITH XRF SPECTROMETER

The above figures are typical, average values derived from numerous measurements. This is not a specification

**kaltun**

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