

## Product Specification

### DMT Mineral Dust Type 4 | 7.2.2.5

DMT GmbH & Co. KG

Plant & Product Safety

Refrigeration & Air Quality

Am TÜV 1

45307 Essen, Germany



**1. General description:** DMT mineral dust type 4 is used for testing according to chapter 5.11.

**2. Composition:** The specified particle size distribution is shown in the following table:

<b>x (µm)</b>	<b>Q3(x) (%)</b>
0.97	4.5 - 5.5
1.38	8.0 - 9.5
2.75	21.3 - 23.3
5.50	39.5 - 42.5
11.0	57.0 - 59.5
22.0	73.5 - 76.0
44.0	89.5 - 91.5
88.0	97.9 - 98.9
124.50	99.0 - 100.0
176.0	100.0

**3. Transport and Storage:** Partial segregation may occur during transport and storage. It is therefore recommended to homogenize the DMT Mineral Dust Type 4 | 7.2.2.5 before use, which can be achieved by mixing with a laboratory tumbler mixer. Please store in a dry and airtight original container.

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**4. Quality ensurance:** In order to achieve reproducible quality, the raw materials and production are strictly controlled. The following quality controls are carried out:

Monitoring the particle size distribution of raw materials

Monitoring the particle size distribution of the end product

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**5. Specification:**

**Name :** DMT Mineral Dust Type 4 | 7.2.2.5

**Standard:** IEC 60312 (2008), IEC 62885-2 (2018), DIN EN 60312-1 (2017)

**Title of Standard:** Surface cleaning appliances - Part 2: Dry vacuum cleaners for household or similar use / Vacuum cleaners for household use. Dry vacuum cleaners. Methods for measuring the performance

**Composition :** Quarz

**Material:** Quartz

**largest particle size ( $\mu\text{m}$ ) :** 120

**Bulk density ( $\text{g}/\text{cm}^3$ ):** 0,90

**Substance density ( $\text{g}/\text{cm}^3$ ) :** 2,65

**Apperance :** solid

**Hardness (Mohs):** 7,0

**Colour :** white

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