

## Product Specification

### DMT Quartz Sand | 4.2.1.3

TÜV NORD Systems GmbH &  
Co. KG  
Plant & Product Safety  
Refrigeration & Air Quality

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**1. General description:** DMT quartz sand according to chapter 4.2.1.3 of the MIL-Standard-810G is used for the evaluation of various devices and components exposed to sands and dusty atmospheres.

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

<u>x (µm)</u>	<u>Q3(x) (%)</u>
850.0	100.0

**3. Transport and Storage:** Partial segregation may occur during transport and storage. It is therefore recommended to homogenize the DMT Quartz Sand | 4.2.1.3 before use, which can be achieved by mixing with a laboratory tumbler mixer. Please store in a dry and airtight original container.

**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 Quartz Sand | 4.2.1.3

**Standard:** MIL-STD-810G

**Title of Standard:** Department of Defense Test Method Standard: Environment engineering considerations and laboratory tests

**Composition :** Quarz

**Material:** Quartz

**smallest particle size ( $\mu\text{m}$ ) :** 100

**largest particle size ( $\mu\text{m}$ ) :** 850

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

**Apperance :** solid

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

**Colour :** grey/brown

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