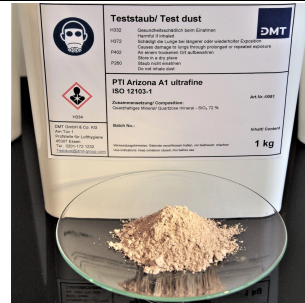


# Product Specification

## PTI Arizona Test Dust A1 ultrafine

DMT GmbH & Co. KG  
Plant & Product Safety  
Refrigeration & Air Quality

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45307 Essen, Germany



**1. General description:** The Arizona test dust A1 ultrafine forms the finest standard dusts of ISO 12103-1 and is used for various filter and environmental tests.

The so-called Arizona test dust A1 ultrafine consists of 69 % - 77 % quarz.

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

<b>x (µm)</b>	<b>Q3(x) (%)</b>
0.97	3.0 - 5.0
1.38	7.0 - 10.0
2.75	23.0 - 27.0
5.50	65.0 - 69.0
11.0	95.5 - 97.5
22	100.0

**3. Transport and Storage:** Partial segregation may occur during transport and storage. It is therefore recommended to homogenize the PTI Arizona Test Dust A1 ultrafine 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 :** PTI Arizona Test Dust A1 ultrafine

**Standard:** ISO 12103-1

**Title of Standard:** Road vehicles -- Test contaminants for filter evaluation -- Part 1: Arizona test dust

**Composition :** Quarz

**Material:** Quartz

**largest particle size ( $\mu\text{m}$ ) :** 22

**Bulk density ( $\text{g}/\text{cm}^3$ ):** 0,50

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

**Apperance :** solid

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

**Colour :** brown / beige

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