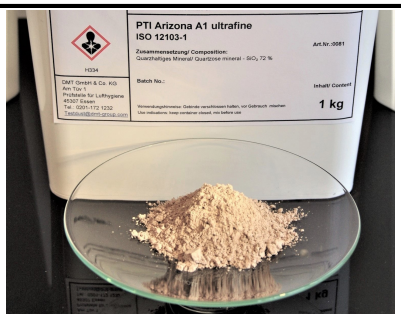
Product Specification

PTI Arizona Test Dust A1 ultrafine

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

Am TÜV 1
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:

x (µm)	Q3(x) (%)
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
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 (µm) :** 22 **Bulk density (g/cm³):** 0,50 **Substance density (g/cm³) :** 2,65 **Apperance :** solid **Hardness (Mohs):** 7,0 **Colour :** brown / beige