Product Specification

PTI Arizona Test Dust A3 medium

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

Am TÜV 1
45307 Essen, Germany



1. General description:

Analogous to the Arizona test dust A2 fine, the Arizona test dust A3 medium is also used in various normative tests.

The so-called Arizona test dust A3 medium consists of 69 % - 77 % quartz.

2. Composition:

The specified particle size distribution is shown in the following table:

x (µm)	Q3(x) (%)
0.97	2.0 - 2.4
1.38	3.8 - 4.4
2.75	10.3 - 11.1
5.50	22.1 - 23.2
11.0	42.3 - 43.6
22.0	62.5 - 64.5
44.0	82.0 - 83.5
88.0	94.7 - 96.0
124.50	97.2 - 98.6
176.0	99.0 - 100.0
248.90	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 A3 medium 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 A3 medium **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) :** 250 **Bulk density (g/cm³):** 1,00 **Substance density (g/cm³) :** 2,65 **Apperance :** solid **Hardness (Mohs):** 7,0 **Colour :** brown / beige