

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.
<hr/>	
4. Quality ensurance:	<p>In order to achieve reproducible quality, the raw materials and production are strictly controlled. The following quality controls are carried out:</p> <p>Monitoring the particle size distribution of raw materials</p> <p>Monitoring the particle size distribution of the end product</p>
<hr/>	
5. Specification:	<p>Name : PTI Arizona Test Dust A3 medium</p> <p>Standard: ISO 12103-1</p> <p>Title of Standard: Road vehicles -- Test contaminants for filter evaluation -- Part 1: Arizona test dust</p> <p>Composition : Quarz</p> <p>Material: Quartz</p> <p>largest particle size (µm) : 250</p> <p>Bulk density (g/cm³): 1,00</p> <p>Substance density (g/cm³) : 2,65</p> <p>Apperance : solid</p> <p>Hardness (Mohs): 7,0</p> <p>Colour : brown / beige</p>
