

## Product Specification

### PTI Arizona Test Dust A3 medium

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

**Am TÜV 1**  
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- 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:

<b>x (µm)</b>	<b>Q3(x) (%)</b>
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



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<b>3. Transport and Storage:</b>	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.
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<b>4. Quality ensurance:</b>	<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>
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<b>5. Specification:</b>	<p><b>Name :</b> PTI Arizona Test Dust A3 medium</p> <p><b>Standard:</b> ISO 12103-1</p> <p><b>Title of Standard:</b> Road vehicles -- Test contaminants for filter evaluation -- Part 1: Arizona test dust</p> <p><b>Composition :</b> Quarz</p> <p><b>Material:</b> Quartz</p> <p><b>largest particle size (µm) :</b> 250</p> <p><b>Bulk density (g/cm³):</b> 1,00</p> <p><b>Substance density (g/cm³) :</b> 2,65</p> <p><b>Apperance :</b> solid</p> <p><b>Hardness (Mohs):</b> 7,0</p> <p><b>Colour :</b> brown / beige</p>

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