Product Name: Aluminum – powder, <75 μm, ≥99.95% trace metals basis

Product Number: 202584
Batch Number: MKCJ3122
Brand: ALDRICH
CAS Number: 7429-90-5
MDL Number: MFCD00134029
Formula: Al
Formula Weight: 26.98 g/mol
Quality Release Date: 25 JAN 2019

Certificate of Analysis

Test | Specification | Result
---|---|---
Appearance (Color) | Grey | Grey
Appearance (Form) | Powder | Powder
Size | Confirmed | Confirmed
-200 Mesh | Confirmed | Confirmed
ICP Major Analysis | Confirms Aluminum Component | Confirmed
Purity | Meets Requirements | Meets Requirements
> = 99.95% Based On Trace Metals Analysis | ≤ 500.0 ppm | 203.8 ppm
Trace Metal Analysis | | |
Boron (B) | 5.4 ppm | |
Calcium (Ca) | 0.6 ppm | |
Cadmium (Cd) | 0.4 ppm | |
Chromium (Cr) | 3.6 ppm | |
Copper (Cu) | 2.0 ppm | |
Iron (Fe) | 84.9 ppm | |
Magnesium (Mg) | 0.8 ppm | |
Manganese (Mn) | 6.7 ppm | |
Molybdenum (Mo) | 4.9 ppm | |
Sodium (Na) | 3.9 ppm | |
Nickel (Ni) | 1.3 ppm | |
Antimony (Sb) | 36.4 ppm | |
Strontium (Sr) | < 0.1 ppm | |
Titanium (Ti) | 29.9 ppm | |
Vanadium (V) | 10.4 ppm | |

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.
# Certificate of Analysis

**Product Number:** 202584  
**Batch Number:** MKCJ3122  

<table>
<thead>
<tr>
<th>Test</th>
<th>Specification</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc (Zn)</td>
<td></td>
<td>9.4 ppm</td>
</tr>
<tr>
<td>Zirconium (Zr)</td>
<td></td>
<td>3.1 ppm</td>
</tr>
</tbody>
</table>

Michael Grady, Manager  
Quality Control  
Milwaukee, WI US

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