

**SIGMA-ALDRICH®**Industriestrasse 25, CH-9471 Buchs (SG), Switzerland  
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## Certificate of Analysis

**Product Name:** MICRO PARTICLES BASED ON POLYSTYRENE  
**Product Number:** size: 1  $\mu$ m  
**Product Brand:** 89904  
**Molecular Formula:** Sigma  
**Molecular Mass:**  
**CAS Number:**

**TEST****LOT 1471839 RESULTS****MEASURING TECHNIQUE**CPS DISC CENTRIFUGE DC  
24000**CALIB. MEASURING TECHNIQUE**NIST TRACEABLE, NS-  
STANDARD  
SRM 1691 (269 NM +/- 7 NM)  
SRM 1690 (895 NM +/- 8 NM)**NOMINAL PARTICLE DIAMETER**1.0  $\mu$ m**CALIBRATED PARTICLE DIAMETER**0.968  $\mu$ m**STANDARD DEVIATION**0.021  $\mu$ m**CV**

2.2 %

**DENSITY D20/4**PARTICLE SPECIFIC  
GRAVITY: 1.05 G/CM<sup>3</sup>**SOLID CONTENT**

10 % WT.

**PARTICLE COMPOSITION**

POLYSTYRENE

**QC RELEASE DATE**

11/AUG/11

Dr. Claudia Geitner  
Manager Quality Control  
Buchs, Switzerland

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