



## Certificate of Conformity

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### VWR GLASS BEADS MASSIVE

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VWR International certifies that the products comply in every respect with the relevant particular specifications and/or drawings and/or relevant standards and regulations in force, mentioned in this document.

*VWR International certifie que les produits sont conformes à tous égards aux spécifications particulières appropriées et / ou dessins, normes et règlements en vigueur, mentionnées dans le présent document*

VWR International bestätigt, dass das Produkte allen zutreffenden Spezifikations- und/oder Zeichnungs- und/oder Standardanforderungen sowie den im Dokument aufgeführten gültigen Vorschriften entspricht.

| VWR Cat.No. | Ø mm      | Pk g |
|-------------|-----------|------|
| 201-1251    | 1.0 - 1.3 | 500  |
| 201-1252    | 2.0       | 500  |
| 201-1253    | 3.0       | 500  |
| 201-1254    | 4.0       | 500  |
| 201-1255    | 5.0       | 500  |
| 201-1256    | 6.0       | 500  |
| 201-1257    | 7.0       | 500  |
| 201-1258    | 8.0       | 500  |
| 201-1259    | 9.0       | 500  |
| 201-1260    | 10.0      | 500  |

#### Physical and Chemical Characteristics

|                                    |                                                 |
|------------------------------------|-------------------------------------------------|
| Specific weight                    | 2.500 ±40 kg/m <sup>3</sup>                     |
| Coefficient of thermal extension   | ( 9,2 ±0,4 ) . 10 <sup>-6</sup> K <sup>-1</sup> |
| Littleton softening point          | TL = 670 ±10 °C                                 |
| Bulk weight                        | 1.485 kg/m <sup>3</sup>                         |
| Hardness Mohs                      | 6                                               |
| Microhardness Vickers and Rockwell | 970 - 1018 kp/cm <sup>2</sup>                   |
| Elasticity module                  | 7,75 Mpa                                        |
| Young module of elasticity E       | 78 - 85 Gpa                                     |



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Hydrolytic class HGB 3

Acidic class according to DIN 12116 III.

Alkaline class according to ČSN ISO 695 A - 1 class

### Other Characteristics:

- Made from soda-lime glass, massive.
- Resistant against chemicals and thermal shock
- Available in sizes from 1 mm up to 10 mm
- Offered in packs of 500 grams

**Disclaimer:** VWR wants to state that this declaration will not discharge the user from his obligation to ensure the product is suitable for the intended use. - If there is any doubt ask us.

Date of issue: **June 2017**