

DQ 07_00-12

CERTIFICATE OF QUALITY

No. C6 – 4/ 2017

CHARCOAL SAMPLING TUBES

| Characteristics | Value |
|--|---------------------------------------|
| Type of the sorbent tubes | Adsorbent tubes Charcoal 6 x 70 |
| Catalogue No. | ST-01-01 |
| Lot # | 0870 |
| Expiration date | 05.2022 |
| Design parameters | |
| Overall length of the glass tube, mm | 70 ± 2 |
| Outside diameter, mm | 6.0 ± 0.2 |
| Internal diameter, mm | 4.0 ± 0.2 |
| Thickness of the glass wall, mm | 1.0 ± 0.05 |
| Diameter of the tips, mm | 2.0 ± 0.3 |
| Length of the backup sorbent layer, mm | 7.5 ± 1.0 |
| Weight of the backup sorbent layer, mg | 50 ± 8 |
| Polyurethane foam separator, mm | 4.0 ± 0.2 |
| Length of the sorbent layer, mm | 14 ± 2 |
| Weight of the sorbent layer, mg | 100 ± 15 |
| Glass wool packing, mg | 5 ± 2 |
| Characteristics of materials | |
| Glass tubes | Neutral glass for use in the medicine |
| Polyurethane foam | 60 kg.m ⁻³ |
| Type of glass wool | Silanized |
| Diameter of the glass wool fibres, µm | 16 ± 2 |
| Filling material | Coconut Charcoal |
| Particle size distribution: | |
| Up to 100 µm | 2.5 % |
| From 100 to 250 µm | 6.5 % |
| From 250 to 1100 µm | 86.0 % |
| Above 1100 µm | 4.5 % |
| Metal clamp | Stainless Steel |
| Sampling parameters | |
| Pressure drop at flow rate 150 cc/min, mm H ₂ O | 48 ± 6 |
| Adsorption capacity toward toluene, not less than | 250 mg |
| Desorption efficiency by carbon disulphide | 98.0 ± 2 % |

Produce Manager: 

/Eng.-Chem. J. Vasilieva/

Sofia, 2017