

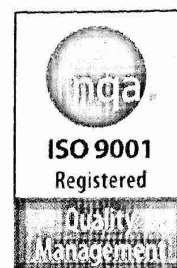


HYGITEST Ltd. –Sofia, Bulgaria

15, Acad. Iv. Evst. Geshov, Blvd.

Fax/Phone: (0359 2) 954-11 19

www.hygitest.com :e-mail : info@hygitest.com



DQ 07_00-12

CERTIFICATE OF QUALITY

No. C8 – 9 / 2017

CHARCOAL SAMPLING TUBES

Characteristics	Value
Type of the sorbent tubes	Adsorbent tubes Charcoal 8 x 110
Catalogue No.	ST 01-02
Lot #	0870
Expiration date	09.2022
Design parameters	
Overall length of the glass tube, mm	110 ± 2
Outside diameter, mm	8.0 ± 0.2
Internal diameter, mm	6.0 ± 0.2
Thickness of the glass wall, mm	0.7 ± 0.05
Diameter of the tips, mm	2.0 ± 0.3
Length of the backup sorbent layer, mm	14.0 ± 1.5
Weight of the backup sorbent layer, mg	200 ± 10
Polyurethane foam separator, mm	6.0 ± 0.2
Length of the sorbent layer, mm	29 ± 3
Weight of the sorbent layer, mg	400 ± 40
Glass wool packing, mg	15 ± 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:	
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Less than 300 µm (50 mesh)	5 % maximum
From 300 to 841 µm (50 - 20 mesh)	91 %
Greater than 841 µm (20 mesh)	4 % maximum
Metal clamp	Stainless Steel Wire 0.3 mm diam.
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 %

Sofia, 2017

Produce Manager:

/Eng.-Chem. J. Vasileva/

