

## Certificate of Analysis

<b>Product:</b>	<b>Cotton tips for sample taking swab</b>
TECHPharm-Lot-No.:	160912
TECHPharm-Sample-Designation:	70000 1 168
Date of analysis:	12.09.2016 - 20.09.2016
<b>Request:</b>	<b>Suitability of sample taking swab</b> Employing determination of Total Organic Carbon (TOC), Total Nitrogen (TN) and UV Absorption
Methods:	TOC: Ph. Eur. 2.2.44, 8 <sup>th</sup> Edition 2014 TN: Chemiluminescence after combustion UV: Ph. Eur. 2.2.25, 8 <sup>th</sup> Edition 2014
Equipment:	TOC: Shimadzu TOC-V <sub>CPH</sub> / ASI-V (TOC 4) TN: Shimadzu TOC-L <sub>CPH</sub> / ASI-L / TNM-1 (TOC 6) UV: Shimadzu UV 2600 PharmaSpec
Expiry date:	Original packaging: 31.08.2020 Recommended consumption after opening: 3 months max.

Lot-No. 160912	Mean value per cotton tip <sup>1)</sup>
TOC	29,4 µg
TN	< 5 µg
E225 nm, purified water, 10 cm-cuvette	0,028 AU
E270 nm, purified water, 10 cm-cuvette	0,015 AU
E225 nm, methanol, 10 cm-cuvette	0,028 AU
E270 nm, methanol, 10 cm-cuvette	0,008 AU

<sup>1)</sup> After pre-cleaning of each cotton tip using 5 ml of purified water or methanol and elution of 10 cotton tips each using 100 ml of purified water or methanol, respectively.

<sup>2)</sup> Result < limit of determination (5 µg per cotton tip)

Bruchsal, 09.11.2016



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