

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Benzalkonium chloride**
Specifications & Purity: PharmPure™, Ph.Eur., NF, pharmaceutical grade, GMP
SKU #: **B433175**

Parameter	Limit Values
Appearance(B433175)	white or yellowish-white powder or gelatinous, yellowish-white fragments
Solubility:very soluble in water and in ethanol (96 per cent)	Pass
Assay(dry basis)	97-103 (%)
Identity(UV)	Passes test
Identity(EP)(B)	passes test
Identity (EP)(C)	passes test
Identify(EP)(D)	Pass
Identity(EP)(E)	conforms
Identity(USP)(B)	Passes test
Appearance of solution,clear and not more intensely coloured than reference solution Y6	Pass
Acidity or alkalinity	passes test
Insoluble matter	Passes test
Purity(HPLC,C12 homologue)	≥40 (%)
Purity(HPLC, C14 homologue)	≥20 (%)
Purity(HPLC, sum of C12 and C14 homologues)	≥70 (%)
Benzyl alcohol	0-0.5 (%)
Benzaldehyde	0-0.15 (%)
(Chloromethyl)benzene	0-0.05 (%)
Amines and amine salts	Passes test
Water by Karl Fischer	0-10 (%)
Sulfated Ash	0-0.1 (%)
Petroleum ether-soluble substances	Pass