## 安徽泛希生物科技有限公司 Tel/Fax: +86-552-62759974

Basica Biochemical and Science Co., Ltd.

Web: http://www.basicacorp.com Email: info@basicacorp.com

## **SPECIFICATION**

Commodity: Dextrose anhydrous

Appearance	White to almost white crystalline powder
Identification	To comply IP, BP, USP tests
Solubility	Freely soluble in water, sparingly soluble in ethanol (96 per cent)
Specific optical rotation (20°C, 589 nm) (C=10, H2O/dilute NH3) (Anhydrous substance)	+52.5° to +53.3°
Specific optical rotation (20°C, 589 nm) (C=10, 0.012N NH4OH)	+52.6° to +53.2°
Appearance of solution	To comply BP test
Colour of solution	To comply USP test
Acidity or alkalinity	To comply IP,BP, USP test
Sulphite	Max 0.0015% (passes IP test)
Heavy metal (as Pb)	Max 0.0005%
Barium (Ba)	Passes IP, BP test
Calcium (Ca)	Passes BP test
Lead (Pb)	Max 0.00005%
Loss on drying (1 g, 105°C, 16h)	Max 0.5 %
Foreign sugars, soluble starch, dextrins	Max 1.0%
Bacterial endotoxin	Not more than 0.5 Endotoxin unit/ ml of a 5 % w/v solution

Stamp & Signature:

安徽泛希生物科技有限公司 BASICA BIOCHEMICAL AND SCIENCE CO.,LTD

Address: No.2218, Building A, Ganghui Plaza, Shushan District, Hefei, China

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