

Article: Trehalose dihydrate

Lot No.: 20170413

Production date: Apr.13, 2017

Expired date: Oct.12, 2019

Analysis method: The industrial standard of GB/T 21529-2009

Date: Apr.23, 2017

Serial No.	Items	Specification	Results
1	Appearance	White crystalline powder	White crystalline powder
2	Purity (trehalose)	$\geq 98\%$	98.2%
3	Loss on drying	$\leq 1.5\%$	0.01%
4	pH	5.0-6.7	6.03
5	Color	≤ 0.1	0.01
6	Turbidity of solution	≤ 0.05	0.01
7	Lead	$\leq 0.5 \text{ mg/kg}$	$< 0.5 \text{ mg/kg}$
8	Arsenic	$\leq 0.5 \text{ mg/kg}$	$< 0.5 \text{ mg/kg}$
9	Residue on ignition	$\leq 0.05\%$	$< 0.05\%$
10	Viable counts	$\leq 300 \text{ cfu/g}$	$< 10 \text{ cfu/g}$
11	Yeasts and moulds	$\leq 100 \text{ cfu/g}$	$< 10 \text{ cfu/g}$
12	Coliform organisms	$\leq 30 \text{ MPN/100g}$	Negative
13	Pathogenic	Negative	Negative