

İkitelli O.S.B.Deparko San.Sit. Hürriyet Bulvarı No:1/46-46/A BAŞAKŞEHİR/ İSTANBUL

Telefon : 90 - 212 - 675 05 39

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Web site : www.askimya.com

E-mail : info@askimya.com

CERTIFICATE OF ANALYSIS

Product name	<u>Sodium gluconate</u>
Specification	<u>Technical grade</u>
Quantity	<u> </u>
Date of analysis	<u>DEC 29, 2013</u>
PO NO:	<u>Z13112706</u>

ORIGINAL

Item	Industry grade standard	50273(50274(50272(50277(50278(
		result	result	result	result	result
Apperance	White or yellowish crystal powders	White or yellowish crystal powders	White or yellowish crystal powders	White or yellowish crystal powders	White or yellowish crystal powders	White or yellowish crystal powders
Indentification	in accordance with standard	in accordance with standard	in accordance with standard	in accordance with standard	in accordance with standard	in accordance with standard
Assay ,%	98.0 min	99.49	99.50	99.48	99.40	99.50
Loss on dry ,%	0.50 max	0.06	0.06	0.08	0.10	0.06
Reducing substances ,%	0.70 max	0.1max	0.1max	0.1max	0.2max	0.1max
PH	6.2 ~ 7.8	7.05	7.09	7.00	7.10	7.07
Sulfate ,%	0.02 max	0.005max	0.005max	0.005max	0.005max	0.005max
Chloride ,%	0.02 max	0.003max	0.003max	0.003 max	0.003 max	0.003 max
Pb ,PPM	2 max	1max	1max	1max	1max	1max
Arsenic salt , PPM	2 max	0.1max	0.1max	0.1max	0.1max	0.1max
Heavy metals , PPM	10 max	7max	5max	5max	5max	5max

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Product name	<u>Sodium gluconate</u>
Specification	<u>Technical grade</u>
Quantity	_____
Date of analysis	<u>DEC 29,2013</u>
PO NO:	<u>213112706</u>

ORIGINAL

Item	Industry grade standard	50291	50292 (50294 (50289	50288
		result	result	result	result	result
Apperance	White or yellowish crystal powders	White or yellowish crystal powders	White or yellowish crystal powders	White or yellowish crystal powders	White or yellowish crystal powders	White or yellowish crystal powders
Indentification	in accordance with standard	in accordance with standard	in accordance with standard	in accordance with standard	in accordance with standard	in accordance with standard
Assay ,%	98.0 min	99.42	99.37	99.46	99.38	99.38
Loss on dry ,%	0.50 max	0.08	0.11	0.07	0.10	0.09
Reducing substances ,%	0.70 max	0.2max	0.3max	0.2max	0.3max	0.3max
PH	6.2 ~ 7.8	7.07	7.06	7.07	6.92	6.95
Sulfate ,%	0.02 max	0.005max	0.005max	0.005max	0.005max	0.005max
Chloride ,%	0.02 max	0.003max	0.003max	0.003 max	0.003max	0.003 max
Pb ,PPM	2 max	1max	1max	1max	1max	1max
Arsenic salt , PPM	2 max	0.1max	0.1max	0.1max	0.1max	0.1max
Heavy metals , PPM	10 max	5max	5max	5max	5max	5max