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SPECIFICATION SHEET Glucosamine Sulfate, 2KCl

Item Code: 105
Updated: July 2012

Country of Origin: China

TEST ITEMS

Properties (physical):

Appearance

Identification:

A: Infrared Absorption

B: Chloride Tests

C: Retention Time
(Assay)

D: Addition BaCl₂

Content Assay

Specific Rotation

Transmittance

Loss on drying

Residue on Ignition

pH

Sulfate

Chloride

Potassium

Sodium

Organic Volatile Impurities
& Residual Solvents

Bulk density

Tapped density

Loose density

Particle size

Iron

Heavy Metals

Lead (Pb)

Arsenic (As)

Microbiology

Total aerobic plate count

Yeast & Mold

E. coli

Salmonella

Staphylococcus aureus

SPECIFICATIONS

White crystalline, free-flowing powder

Meet the requirements

Meet the requirements

Corresponds to reference standards

TS a white precipitate is formed

98.0-102.0%

+47.0 to +53.0°

>90.0% (10% water soluble -450 nm)

≤0.5% (105°C/2hrs)

26.5 – 31.0%

3.0-5.0

15.5 – 16.5%

11.1 – 12.3%

11.7 – 13.0%

No pronounced yellow color

Meet USP requirements

≥0.60g/ml (100 mesh)

≥0.80 g/ml (20 mesh)

All through a US Standard

Sieve 20 mesh, 100 mesh, or other mesh

≤10.0 ppm

≤10.0 ppm

≤5.0 ppm

≤0.5 ppm

≤1,000 cfu/g

≤100 cfu/g

Negative

Negative

Negative

TEST METHODS

USP<695>

USP-P1167<197K>

USP<191>

USP-P1167<621>

USP-P1167

USP-P1167 (A) <621>

USP<781S>

USP<851>

USP<731>

USP<281>

USP<791>

USP-P1167 (COS)

USP<541>

USP<621>

USP-P1167 (S)

USP<467>I & <467>

USP<616>

USP<616>

USP<786>

USP<241>, <851>

USP<231>II

USP<251>, <851>

USP<211>II, <851>

USP<61>

USP<61>

USP<62>

USP<62>

USP<62>

Conclusion:

Conforms to USP standards

Packing:

In drums of 25 kgs

Storage:

Store in tight, light resistant containers

Shelf Life:

2 years under normal storage conditions



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