

The Essentially Natural Domain (Pty) Ltd | Reg. No. 2014/170069/07 Unit 14, Duville Business Park, 8 Arum Lily Street, Durbanville, Cape Town, South Africa 7550 www.essentiallynatural.co.za (T) 021 976 9116 (E) support@essentiallynatural.co.za

23-E071308

46.6%

96.4%

CERTIFICATE OF ANALYSIS Hybloom™ High Molecular Weight Sodium Standard: Product name: HX/ZL-001-036 Hyaluronate (HA-THM) Batch No.: J201230565 Production date: July 08, 2023 Quantity: 299.468 kg July 08, 2025 Expiry date: Items Results Standard White or almost white powder or granules 1. Characters Complies 2. Identification A. Infrared absorption Complied with the reference spectrum of Complies sodium hyaluronate B. Reaction of sodium Positive Complies 3. pH $6.0 \sim 7.5$ 6.4 4. Transparency ≥99.0% 100.0% 5. Loss on drying 7.6% ≤15.0% 6. Limiting viscosity 31.6 dl/g ≥27.2 dl/g 7. Molecular weight 2.18M Da ≥1.80M Da 8. Protein ≤0.05% 0.026% 9. Heavy metals ≤20 ppm <20 ppm 10. Bacteria counts \leq 100 cfu/g Complies 11. Mold & Yeast <10 cfu/g Complies 12. Staphylococcus aureus Negative Negative 13. Pseudomonas aeruginosa Negative Negative

≥46.0%

≥95.0%

14. Glucuronic acid

15. Sodium hyaluronate