REPUBLIC OF KENYA

KENYA PLANT HEALTH INSPECTORATE SERVICE (KEPHIS)

National Plant Protection Organization | Plant Inspection & Biosecurity Division
PO Box 49592-00100 Nairobi | Tel: +254 020 3536171 | www.kephis.org

CERTIFICATE OF SOIL TESTING & PHYTO-SANITARY ANALYSIS

Official Certificate Reference: KEPHIS/SOIL/2026/088
Issuance Date: 25 October 2026 | Validity: 2026/2027 Crop Year
Applicant / Farm: G-Plex Seeds Ltd - Mau Narok Nucleus Seed Estate
Target Plot / Block: Field B02 (Dutch Robijn Block - 45 Acres)
Intended Crop / Variety: Irish Seed Potato - Dutch Robijn / Shangi

LABORATORY DIAGNOSTIC FINDINGS & PHYTO-SANITARY SUMMARY

Comprehensive soil chemical and quarantine pathogen assay completed at Muguga Station.
Soil pH (Water 1:2.5): 6.1 [Optimal Potato Range 5.8 - 6.5]
Available Phosphorus (Mehlich III): 28.4 ppm [Adequate]
Potassium (K): 215 ppm [Good] | Total Nitrogen: 0.24% | Organic Carbon: 2.85%
Bacterial Wilt (Ralstonia solanacearum): NOT DETECTED (CLEAR - PCR & Bioassay Verified)
Potato Cyst Nematodes (Globodera rostochiensis / pallida): 0 CYSTS / 200g SOIL (CLEAR)

OFFICIAL REGULATORY RECOMMENDATIONS & CLEARANCE

Field conforms strictly to KEPHIS Seed Potato Production Regulations 2020.
Recommendation: APPROVED FOR PRE-BASIC & CERTIFIED SEED MULTIPLICATION.
Apply Basal DAP @ 180 kg/Acre and ensure furrow disinfection protocol.

Certified Official Inspector: Dr. Florence M. Mutua, MSc., PhD.
Designation: Senior Phytosanitary Inspector & Diagnostic Lead, KEPHIS
Status: DIGITALLY SEALED AND VERIFIED | G-PLEX ERP INTEGRATION KEY: KEPHIS-GPX-99401