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OFFICIAL INSPECTION & LABORATORY SPECIFICATION

FCB-SGS-INSP-2026-CERT | REV. 2026.08

SGS QUALITY INSPECTION & LABORATORY ASSAY CERTIFICATE

Port Sampling Protocols, Standard Operating Procedures & Contractual Tolerances

PORT SAMPLING METHODOLOGY & CHAIN OF CUSTODY (GAFTA 124 / ISO 13690)

Sampling is conducted continuously at the port terminal shiploader chute using automated cross-stream mechanical samplers.

Composite samples are drawn at a certified frequency of 2.5 kg per 500 Metric Tons of loaded cargo.

Four master samples are prepared in tamper-evident security bags: 1 Buyer, 1 Seller, 1 SGS Lab and 1 Arbitration Reserve.

CERTIFICATION AUTHORITY & DISPUTE SETTLEMENT

All physical-chemical and microbiological assays are performed in ISO/IEC 17025 accredited laboratory facilities.

The SGS Certificate of Quality and Weight issued at loading port is final and binding for commercial invoice settlement.

CERTIFIED LABORATORY ASSAYS & CONTRACTUAL TOLERANCES

Parameter / Analyte	Standard Method	Guaranteed Spec	Typical Result	Contractual Tolerance
ICUMSA Color Rating	ICUMSA GS2/3-9	Max 45 RBU	36 RBU	Max 45 RBU (Rejection > 50 RBU)
Moisture Content	ISO 665 / Oven	Max 12.00%	10.50%	12.01-12.50% pro-rata deduction
Profat / Protein Content	ISO 20483 (Kjeldahl)	Min 36.00%	37.40%	1:1 price deduction below 36.00%
Foreign Matter / Impurities	ISO 658 Gravimetric	Max 1.00%	0.35%	Max 1.50% (Rejection > 2.00%)
Aflatoxins (B1+B2+G1+G2)	HPLC-MS/MS ISO 16050	Max 4.0 ug/kg (ppb)	< 1.0 ppb (ND)	Max 4.0 ppb strict ceiling (EU/GCC)
Heavy Metals (Pb, Cd, As, Hg)	ICP-MS AOAC 2013.06	Codex Alimentarius	Undetectable	Strict non-detectable threshold
Microbiological (Salmonella)	ISO 6579-1:2017	Absent in 25g	Negative / 25g	Zero tolerance (Immediate rejection)
Radiation (Cs-134 / Cs-137)	Gamma Spectrometry	Max 100 Bq/kg	< 8 Bq/kg	Statutory international limit

SGS INSPECTION SERVICES | ISO/IEC 17025 ACCREDITED | GAFTA & FOSFA APPROVED SUPERINTENDENT

Official load port certificate standard for FCB Trading bulk commodity exports. Final and binding for settlement.