

TECHNICAL DATA SHEET (TDS)
RED MILLET (PANICUM MILIACEUM L.) - WHOLE GRAIN

Document No	ATB-TDS-MILLET-RED-2026-001	Revision	00
Issue Date	21 September 2026	Product	Red Millet, Crop 2026

1. PRODUCT IDENTIFICATION

Product Name	Red Millet (Whole Grain)
Botanical Name	Panicum miliaceum L. (Proso Millet, red variety)
Product Category	Cereal grain – HS Chapter 10 (Cereals)
HS Code (GTIP)	1008.29 – Millet, other than seed for sowing (national tariff line 1008.29.00)
Country of Origin	As stated in the Sales Contract and Certificate of Origin
Crop Year	2026
Intended Use	Human consumption, milling and food processing, bird feed and animal feed applications
Appearance	Small, rounded, glossy kernels of reddish-brown to orange-red colour, characteristic of the red variety

2. PRODUCT IMAGES



3. PRODUCT DESCRIPTION

Red Millet is a small-seeded, naturally gluten-free cereal grain obtained from Panicum miliaceum L. (proso millet), cultivated in continental steppe regions. The crop is drought-tolerant and short-season, harvested at full maturity and subsequently pre-cleaned, screened, aspirated and graded at origin to remove dust, stalk parts, unfilled kernels and other admixture. The kernels are uniform, free-flowing and hard, with an intact husk of red to reddish-brown colour, and possess the natural, neutral odour of sound grain, free from mustiness or any foreign smell. The product is of non-GMO origin and is supplied as sound, fair and merchantable quality grain of the current crop, suitable for food, milling and feed purposes.

4. PRODUCT SPECIFICATION

Parameter	Specification	Reference Test Method
Moisture	14.0% max	ISO 712 / oven drying
Purity	98.0% min	ISO 5223 / sieving and visual sorting
Foreign Matter (Admixture)	2.0% max	ISO 5223 / manual separation
Hulled (Dehusked) Grains	8.0% max	Manual separation and weighing
Colour	Specific to the respective variety (red)	Visual assessment
Odour	Natural, free from foreign odour	Organoleptic assessment
Live Infestation	Nil	Visual inspection

5. STANDARD ANALYSIS AND QUALITY CONTROL

Each shipment lot is subject to pre-shipment quality control at origin. Representative samples are drawn in accordance with recognised cereal sampling practice (ISO 24333 / GAFTA Sampling Rules No. 124 as applicable), and the standard analysis performed on each lot covers moisture content, purity, foreign matter (admixture), hulled and broken kernel content, colour, odour and freedom from live infestation, in line with the specification set out in Section 4 of this document. The results of the standard analysis are recorded in a Quality Report issued for each shipment, which accompanies the shipping documents. Independent third-party inspection of quality and quantity at the port of loading may additionally be arranged in accordance with the terms agreed in the Sales Contract.

6. PACKING AND CONTAINER LOADING

Packing	25 kg polypropylene bags, suitable for sea carriage and stacking
Container Type	40' containers, clean, dry, odour-free and cargo-worthy, dressed/lined as required
Net Loading Quantity	Approximately 27.5 – 28 MT net per 40' container
Marking	Neutral packing; bag marking as agreed in the Sales Contract

7. SHIPPING DOCUMENTS

Document	Issuing Basis
Certificate of Origin (COO)	Issued by the competent Chamber of Commerce and Industry of the country of origin
Phytosanitary Certificate	Issued by the National Plant Protection Organization (NPPO) of the country of origin in accordance with the IPPC and ISPM 12
Non-GMO Certificate	Confirming the non-genetically-modified status of the consignment
Fumigation Certificate	Issued by a licensed fumigation operator following in-container fumigation prior to shipment

Bill of Lading (B/L)

VGM Certificate	Verified Gross Mass declaration in accordance with SOLAS Chapter VI
Commercial Invoice, Packing List, Contract	Issued by the Seller in accordance with the concluded Sales Contract

8. PHYTOSANITARY CERTIFICATION – PROCESS AND DETAILS

Every export consignment of Red Millet is shipped under a Phytosanitary Certificate issued by the National Plant Protection Organization (NPPO) of the country of origin, in the internationally standardised form prescribed by the International Plant Protection Convention (IPPC) and ISPM 12 (Guidelines for Phytosanitary Certificates).

The certification process comprises the following stages: (i) the exporter submits an application to the NPPO for the specific consignment, identifying the commodity, quantity, packing, means of conveyance and destination country; (ii) authorised phytosanitary inspectors carry out a physical inspection of the consignment and, where required, laboratory examination of representative samples to verify freedom from quarantine pests and regulated non-quarantine pests of the importing country; (iii) the containers are fumigated by a licensed operator using an approved fumigant, and a separate Fumigation Certificate stating the fumigant, dosage, exposure time and date is issued; (iv) upon satisfactory inspection, the NPPO issues the Phytosanitary Certificate confirming that the consignment complies with the current phytosanitary import requirements of the destination country; and (v) the original certificate is issued within the validity period accepted by the importing country's plant quarantine authority and is dispatched together with the full set of shipping documents for import quarantine clearance at destination.

9. DELIVERY TERMS AND LOGISTICS

The product is delivered on CIF basis (Incoterms® 2020) to the agreed port of discharge, shipped in 40' containers via established containerised liner services. Ocean carriage, freight arrangements and cargo insurance are performed exclusively through international shipping lines, vessels and logistics companies that are not subject to any sanctions designation, thereby ensuring uninterrupted carriage, insurability and clean discharge and clearance of the cargo at the destination port.

10. SANCTIONS AND TRADE COMPLIANCE (OFAC / EU / UK / UN)

The product covered by this Technical Data Sheet is a cereal grain, classified under HS Chapter 10 (Cereals), tariff subheading 1008.29. Agricultural commodities and foodstuffs, including cereals of HS Chapter 10, are not subject to prohibition under the sanctions regimes administered by the U.S. Department of the Treasury (OFAC), the European Union, the United Kingdom (OFSI) or the United Nations. These regimes contain express carve-outs, exemptions and general licences for agricultural commodities and food products in order to safeguard global food security, and they do not target or restrict trade in agricultural and food products between third countries and the country of origin. The international sale, purchase, transport and financing of this product to third-country destinations is accordingly permitted under the applicable sanctions frameworks.

The Seller conducts all of its business in strict compliance with applicable OFAC, EU, UK and UN sanctions regulations and does not engage in any transaction with sanctioned or designated parties, companies, individuals, financial institutions or vessels. All counterparties, banks, carriers and vessels involved in the supply chain of this product are screened against the OFAC SDN List, the EU and UK Consolidated Sanctions Lists and the UN Security Council Consolidated List prior to engagement. As the product is delivered on CIF terms, shipment is carried out solely with non-sanctioned, non-designated vessels and logistics companies, and settlement is effected exclusively through non-designated banking channels.

11. STORAGE AND SHELF LIFE

The product should be stored in its original packing in clean, dry, cool and well-ventilated warehouses, on pallets and away from direct sunlight, moisture, sources of heat and strong odours, with routine pest-control measures in place. Under the recommended storage conditions, the product retains its quality for up to twelve (12) months from the date of shipment.



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This Technical Data Sheet has been prepared with reference to the producer's quality documentation and the contractual specification of the product. The governing specification for any individual shipment is the specification set out in the applicable Sales Contract and confirmed by the Quality Report of the shipped lot.

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