TECHNICAL DATA SHEET (TDS)

D.F.K. Sea Buckthorn Horticulture

Feed Material Specification

Product Name:	Dried sea buckthorn feed material	**Document Ref:**	TDS-FEED-2026-EN
Version:	2018. 10.01.	**Issue Date:**	June 30, 2026
Manufacturer:	Dóczi Ferenc Krisztián	**Country of Origin:**	Hungary (Kóka)

1. GENERAL PRODUCT INFORMATION

- **Commercial Name:** Dried Sea Buckthorn Feed Ingredient / Feed Material
- **Botanical Name (Latin Name):** Sea buckthorn (Hippophae rhamnoides)
- **Feed Classification:** Feed material
- **Composition (%):** 100% Sea buckthorn (sea buckthorn fruit, sea buckthorn leaf, and smaller branch parts, listed in descending order of mass at the time of manufacture)
- **Additives & Allergens:** The product contains no technological additives or allergenic substances.
- **Registered Production Facility:** Dóczi Ferenc Krisztián, 2243 Kóka, Csapás utca 28, Hungary.

2. PRODUCTION PROCESS

The product is manufactured from self-grown sea buckthorn originating from certified organic farming (production during the conversion period). During harvesting, the sea buckthorn leaves and fruits are cut together with the smaller branch parts. Following cleaning and sorting, the raw material is finely chopped and placed into a drying tunnel. It is dried gently at 40 °C for 7–8 hours, with the trays rotated regularly to ensure uniform dehydration. Finally, the dried material is ground and, upon customer request, packaged into bulk bags weighing between 20–25 kg or carefully measured into 1 kg pouches.

3. PHYSICAL & ORGANOLEPTIC PROPERTIES

- **Appearance / Condition:** Dry, fine meal. The surface is light, brownish-green in color and entirely free from external contamination.
- **Color & Odor:** Characteristic, natural color and aroma profile specific to pure sea buckthorn.
- **Particle Size:** Fine, homogeneous feed flour/meal.

4. CHEMICAL & NUTRITIONAL SPECIFICATIONS

Analyzed Parameter	Value (Original Matter)	Value (Dry Matter)	Official Test Method Reference

Moisture Content	55 g/kg (5.5%)	0 g/kg (0.0%)	Hungarian Feed Codex 2004.III.4.
Dry Matter	945 g/kg (94.5%)	1000 g/kg (100.0%)	Calculated value
Crude Protein	128 g/kg (12.8%)	135 g/kg (13.5%)	MSZ EN ISO 5983-2:2009
Directly Extractable Crude Fat / Oil	81 g/kg (8.1%)	86 g/kg (8.6%)	152/2009/EC III. H. 5.1.
Crude Fiber	225 g/kg (22.5%)	238 g/kg (23.8%)	MSZ 6830-7:1981 (withdrawn standard)
Crude Ash	31 g/kg (3.1%)	33 g/kg (3.3%)	MSZ ISO 5984:1992 (withdrawn standard)

5. FOOD SAFETY & REGULATORY COMPLIANCE

- **Microbiological Status:** Salmonella spp. is verified absent (negative in 25g). Due to the very low moisture and water activity, the product does not support the growth of Listeria monocytogenes or other pathogenic organisms.
- **Mycotoxins (DON Toxin):** < 0.25 mg/kg (verified by AgraQuant DON analysis).
- **Heavy Metals & Contaminants:** Fully complies with the maximum levels set by Regulation (EC) No 1881/2006 for contaminants in foodstuffs.
- **Pesticides & Veterinary Residues:** Fully compliant with Regulation (EC) No 396/2005, and national decrees 66/2010. (V.12.) FVM and 2/1999. (II.5.) EüM regarding maximum residue limits.
- **GMO & Organic Status:** Non-GMO. The storage or use of unauthorized GMO-containing materials is strictly prohibited within the facility. The product is officially certified under organic farming (in-conversion status) by Bio Garancia Kft. (Certificate Document No: HU-ÖKO-02.348-0006974.2025.001).

6. STORAGE, PACKAGING & SHELF LIFE

- **Storage Conditions:** Keep securely in a dry, cool room at ambient temperature. The facility strictly prohibits the presence of pests or the storage of toxic materials, chemicals, fertilizers, or machine oils nearby to completely eliminate cross-contamination. F.I.F.O. inventory control is fully maintained.
- **Shelf Life:** 12 months from the date of manufacture when kept unopened under the specified storage conditions.
- **Packaging Configurations:** Packed according to individual customer specifications: either loose in large multi-layer industrial bulk bags (20–25 kg) or precisely weighed into 1 kg (1000 g) retail-ready pouches.

Disclaimer: The information and laboratory results (Mezőlabor Kft., Accreditation No: 1-1400/2021, Report ID: 2248-2025) presented in this Technical Data Sheet are accurate and true to the best of our knowledge at the date of issue. They are intended solely as a professional guide for handling. Customers are strongly advised to perform their own analytical evaluations to confirm perfect compliance with their specific internal systems, regulatory frameworks, and target applications.