



TURKISH REPUBLIC
MINISTRY OF AGRICULTURE AND FORESTRY
A&T FOOD CONTROL LABORATORY



Test
TS EN ISO/IEC 17025
AB-0509-T

AB-0509-T

2024-01079

02-24

EXAMINATION AND ANALYSIS REPORT

Report No / Revision No :2024-01079 **Report Date** :02.02.2024
Purpose of Analyse :Special Request
Sender :ALPHA FARM KOZMETİK GENEL TİCARET LİMİTED ŞİRKETİ
Address :TOPÇULAR MAH.DEMİRKAPI CAD.SAYAÇ HAN B BLOK NO:3D
Eyüp/ İstanbul/Turkey
Sample Analysis Request Date / No :22.01.2024
Sampling Record Date / Number :
Seal No :
Sample Type :MULTIVİTAMİN
Sample Packaging :Plastic bottle
Sample Amount :1x800 ml
Sample Series - Lot No :-
Production and Expiry Date : - / -
The Recommended Consumption :
Area of Sampling :-
Date of Sampling :-
Sample Code :-
Manufacturer / Importer / Exporter Name :
Date / Time of Received of Sample :22/01/2024 18:00:00
Temperature of Sample :22.1 °C
Date of Analysis Start-End :22/01/2024 - 01/02/2024



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Analysis	Parameter	Results	Unit	LOQ	Recovery %	Uncertainty %	Device	Method Of
Lead (Pb) (*)	Lead (Pb)	Not Detected	mg/kg	0,01	96	29	ICP MS	NMKL No:186
Cadmium (Cd) (*)	Cadmium (Cd)	Not Detected	mg/kg	0,01	104	14	ICP MS	NMKL No:186
Arsenic (As) (*)	Arsenic (As)	Not Detected	mg/kg	0,01	95	14	ICP MS	NMKL No:186
Mercury (Hg) (*)	Mercury (Hg)	Not Detected	mg/kg	0,005	93	25	ICP MS	NMKL No:186
Copper (Cu) (*)	Copper (Cu)	Not Detected	mg/ 100g	0,002	109	18	ICP MS	NMKL No:186
Aluminum (*)	Aluminium (Al)	Not Detected	mg/kg	1	91	16	ICP MS	NMKL No:186
Chromium (Cr) (*)	Chromium (Cr)	Not Detected	mg/ 100g	0,002	102	17	ICP MS	NMKL No:186
Cobalt (Co) (*)	Cobalt (Co)	Not Detected	mg/ 100g	0,002	103	17	ICP MS	NMKL No:186
Calcium (Ca) (*)	Calcium (Ca)	Not Detected	mg/ 100g	1	97	21	ICP MS	NMKL No:186
Magnesium (Mg) (*)	Magnesium (Mg)	Not Detected	mg/ 100g	1	105	13	ICP MS	NMKL No:186
Mangan (Mn) (*)	Manganese (Mn)	0,007 ± 0,002	mg/ 100g	0,002	109	22	ICP MS	NMKL No:186
Molybdenum (Mo) (*)	Molybdenum (Mo)	Not Detected	mg/ 100g	0,002	102	17	ICP MS	NMKL No:186
Nickel (Ni) (*)	Nickel (Ni)	Not Detected	mg/kg	0,02	107	18	ICP MS	NMKL No:186
Potassium (K) (*)	Potassium (K)	Not Detected	mg/ 100g	1	96	14	ICP MS	NMKL No:186
Selenium (Se) (*)	Selenium (Se)	Not Detected	mg/ 100g	0,002	103	16	ICP MS	NMKL No:186
Tin (Sn) (*)	Tin (Sn)	Not Detected	mg/kg	3,75	97	17	ICP MS	NMKL 191
Sodium (Na) (*)	Sodium (Na)	Not Detected	g/100g	0,001	109	10	ICP MS	NMKL No:186
Phosphorus (P) (*)	Phosphorus (P)	Not Detected	mg/ 100g	1	105	12	ICP MS	NMKL No:186
Iron (Fe) (*)	Iron (Fe)	Not Detected	mg/ 100g	0,1	97	18	ICP MS	NMKL No:186
Zinc (Zn) (*)	Zinc (Zn)	Not Detected	mg/ 100g	0,1	88	15	ICP MS	NMKL No:186
Antimony (*)	Antimony (Sb)	Not Detected	mg/ 100g	0,002	103	17	ICP MS	NMKL No:186
Vitamin A (Retinol) (*)	Vitamin A	Not Detected	mg/kg	0,1	92	13	HLPC-FLD	TS EN 12823-1
Vitamin B1 (Thiamine) (*)	Vitamin B1	Not Detected	mg/kg	0,5	95	16	HLPC-FLD	TS EN 14122
Vitamin B2 (Riboflavin) (*)	Vitamin B2	3,43 ± 0,34	mg/kg	1	94	10	HLPC-FLD	TS EN 14152
Vitamin B3 (Niacin) (*)	Vitamin B3	Not Detected	mg/kg	1	93	13	HLPC-FLD	TS EN 15652
Vitamin B5 (Pantothenic acid) (*)	Vitamin B5	Not Detected	mg/kg	0,1	96	14	LC-MS/MS	AOAC 2012.16
Vitamin B6 (Pyridoxine) (*)	Vitamin B6	Not Detected	mg/kg	0,2	97	11	HLPC-FLD	TS EN 14164
Vitamin B9 (Folic Acid) (*)	Vitamin B9	Not Detected	µg/kg	40	97	10	HPLC UV DAD	EASI EXTRAXT FOLIC ACID P81/P81B R-BIOPHARM
Vitamin B12 (Cyanocobalamin) (*)	Vitamin B12	Not Detected	µg/kg	2,5	95	15	HPLC UV DAD	Easi-Extract Vitamin B12 P80/P80B R-Biopharm



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Vitamin C (Ascorbic Acid) (*)	Vitamin C	Not Detected	mg/kg	5	96	9	HPLC UV DAD	Food Chemistry 52 (1995), Rückemann 1980 - Z. Lebensm. Unters. Forsch. 171
Vitamin D3 (Cholecalciferol) (*)	Vitamin D3	Not Detected	µg/kg	5	95	16	LC-MS/MS	AOAC 2011.11
Vitamin E (alpha-Tocopherol) (*)	Vitamin E	14,08 ± 1,69	mg/kg	0,5	97	12	HLPC-FLD	TS EN 12822
Biotin (*)	Biotin	Not Detected	µg/kg	25	87,8	16	HPLC UV DAD	Easi-Extract Biotin P82/P82B R-Biopharm

***Accredited Analysis**

A&T Food Control Laboratory accredited by TURKAK under registration number AB-0509-T for TS EN ISO/IEC 17025:2017 as test laboratory.

Note :1) No part of this analysis report can be used alone or separately.

2) Analysis results are valid for the above-mentioned sample.

3) The measurement uncertainty does not include sampling and is calculated using k=2 at the 95% confidence interval.

4) This report cannot be copied or reproduced in whole or in part without the written permission of the laboratory.

5) This report cannot be used for 'Judicial and Administrative Actions and Advertising Purposes' in special request analysis.

6) Evaluation is made according to the Laboratory Decision Rule; measurement uncertainty is used in favor of the customer in quantitative analysis, decision is made in qualitative analysis and microbiological analysis rule is not applied.

7) Unsigned reports are invalid

Yeliz SEVD K

Chemist

Chemical Analyse Dept. Chief

Nural ENTÜRK

Agriculture High Eng.

Sample Acceptance and Evaluation Dept.
Chief

Approved by

02/02/2024

Mehtap KESK N EVC MEN

Lab Manager