



**VOLUNTARY CERTIFICATION SYSTEM
"NATIONAL QUALITY CENTER"
Registered in the Unified Register
of Voluntary Certification Systems of the Federal
Agency for Technical Regulation and
Metrology of the Russian Federation (Rosstandart RF)**

**TEST LABORATORY
OF THE LIMITED LIABILITY COMPANY "ALLIANCE-CONSULT"
(LLC "ALLIANCE-CONSULT")
room 15, premise V, 60 Dmitrovskoe highway, Moscow 127474 tel. +7 (499) 39-408-39
CERTIFICATE No. POCC RU.31112.ИЛ.00016 is valid until 19.06.2020**

TEST PROTOCOL No. ПФТ01/112017-724 of 07.12.2017

Place of testing:	Test laboratory LLC "ALLIANCE-CONSULT"
Applicant:	Limited Liability Company "Aral", 4/5 Chernavskikh street, Bobrovsky village, Sysert district, Sverdlovsk region, Russian Federation 624019
Name of product:	Pine bark extract marked "Aral"
Manufacturer:	Limited Liability Company "Aral", 4/5 Chernavskikh street, Bobrovsky village, Sysert district, Sverdlovsk region, Russian Federation 624019
Technical regulations:	TR TS 021/2011 "On Food Safety", TR TS 029/2012 "Safety Requirements of Food Additives, Flavorings and Processing Aids", TR TS 022/2011 "Food Products in Terms of Labeling"
Tested according to the requirements:	TR TS 021/2011 "On Food Safety", TR TS 029/2012 "Safety Requirements of Food Additives, Flavorings and Processing Aids", TR TS 022/2011 "Food Products in Terms of Labeling"
Date of sample receipt:	23.11.2017

TEST RESULTS

Name of indicator	Unit of measurement	Test assessment reference	Actual value of indicator	Reference indicator value
1	2	3	4	5
Toxic elements				
Lead	mg/kg	GOST 30178-96	0.002	Not more than 5,0
Arsenic	mg/kg	GOST 26930-86	0.005	Not more than 3,0
Cadmium	mg/kg	GOST 30178-96	0.001	Not more than 1,0
Mercury	mg/kg	GOST 26927-86	Non-detected	Not more than 1,0
Pesticides				
HCCH (α , β , γ - isomers)	mg/kg	MR 2142-80	Non-detected	Not more than 0,1
DDT and its metabolites	mg/kg	MR 2142-80	Non-detected	Not more than 0,1
Heptachlor	mg/kg	MR 2142-80	Non-detected	Not more than 0,002
Aldrin	mg/kg	MR 2142-80	Non-detected	Not more than 0,002
Microbiological indicators				
QMAFAnM	CFU/g	GOST 10444.15-94	$1,2 \times 10^3$	Not more than 5×10^4
CGB (coliforms)	in 0.1 g	GOST 31747-2012	Non-detected	Not allowed
E. coli	in 1.0 g	GOST 30726-2001	Non-detected	Not allowed
Pathogenic microorganisms incl. salmonella	in 25 g	GOST 31659-2012	Non-detected	Not allowed
Mould	CFU/g	GOST 10444.12-88	< 10	Not more than 100
Physical and chemical indicators				
Mass fraction:				
- proanthocyanidins	%	GOST P 53773-2010	$85 \pm 1,0$	-
- ether-soluble substances	%	GOST 29334-92	$1,6 \pm 0,05$	-
Purity	%	GOST 28508-90	96.4	-
Appearance		Powder of light brown to dark brown color		

CONCLUSION:

The tested samples comply with TR TS 021/2011 "On Food Safety", TR TS 022/2011 "Food Products in Terms of Labeling"

Test operator

S.V.Vavilin

Manager

A.S. Gusarov

