AENOR **laboratorio**
Miguel Yuste, 12 - 28037 Madrid
Tfno. 91 440 12 24 - Fax. 91 440 12 25

REPORT Nº: 24915/16/19029 MODIFICATION Nº 1

TEST REPORT ISSUED BY AENOR

CUSTOMER IDENTIFICATION DATA:

NAME: RELIANCE WORLDWIDE CORPORATION EUROPE, S.L.
CENTER: RWC EUROPE
ADDRESS: AUTOVIA A-92, KM. 209
PLACE:
PROVINCE: GRANADA
COUNTRY: ESPAÑA

SAMPLE IDENTIFICATION DATA:

PRODUCT: MATERIAL PLÁSTICO
DESCRIPTION: ACCESSORIES
YOUR/REFER: EQUAL SLEEVE 020
PACKING DATE DATE OF SAMPLING
EXP. DATE: DATE OF RECEIPT: 27/10/16

REMARKS:

COURIER
Information provided by the customer
Manufactured in PPSU Radel NT5100 (SOLVAY)

Hot water

PHYSICO-CHEMICAL ANALYSIS

Start 28/10/16 - **End** 13/12/16

Parameter (Test Method)	Units	Results	Legislative Norm
pH (PE-312-SC)	(uds pH 20C)	9.3 ± 0.2	≥6.5 ≤9.5
LEAD (PE-299-SC)	(µg/ L)	<0.02	≤10
CADMIUM (PE-287-SC)	(µg/ L)	<0.01	≤5.0
MERCURY (PE-294-SC)	(µg/ L)	<0.20	≤1.0
CONDUCTIVITY (PE-307-SC)	(µS/ cm)	<2	≤2500
ODOR (PE-310-SC)	(Unitless)	1	≤3
TASTE (Dilution Index)	(I dilution)	1	≤3
COLOR (PE-306-SC)	(mg/lPt/Co)	<5	≤15
ALUMINIUM (PE-303-SC)	(mg/l)	0.06	≤200
IRON (PE-308-SC)	(mg/l)	<0.02	≤200
AMMONIUM (PE-304-SC)	(mg/ L NH4)	<0.02	≤0.5
NITRATES (PE-296-SC)	(mg/ L NO3)	0.44 ± 0.07	≤50
NITRITES (PE-297-SC)	(mg/l NO2)	0.039 ± 0.006	≤0.5
OXIDABILITY (PE-311-SC)	(mgO2/L)	<1	≤5.0
TURBIDITY (PE-315-SC)	(U.N.F.)	0.16 ± 0.12	≤5
CHLORIDES (PE-305-SC)	(mg/l)	<1	≤250
COPPER (PE-289-SC)	(mg/l)	<0.02	≤2
ARSENIC	(µg/ L)	0.076 ± 0.015	≤10

The uncertainty of the tests including in the accreditation scope, is available to the customer.

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Parameter (Test Method)	Units	Results	Legislative Norm
(PE-283-SC)			
CHROME *(PE-290-SC)*	*(µg/ L)*	<0.05	≤50
SELENIUM *(PE-300-SC)*	*(µg/ L)*	<1	≤10
MANGANESE *(PE-309-SC)*	*(mg/l)*	<0.02	≤50
SODIUM *(PE-313-SC)*	*(mg/l)*	2.80 ± 0.28	≤200
NICKEL *(PE-295-SC)*	*(µg/ L)*	<0.2	≤20
ANTIMONY *(PE-282-SC)*	*(µg/ L)*	<0.1	≤5.0
BENZENE *(PE-284-SC)*	*(µg/ L)*	<0.1	≤1.0
BORON *(PE-285-SC)*	*(mg/l)*	<0.3	≤1.0
BROMATE *(PE-286-SC)*	*(µg/ L)*	<3	≤10
CYANIDE *(PE-288-SC)*	*(mg/l)*	<0.01	≤50
1,2-DICHLOROETHANE *(PE-291-SC)*	*(µg/ L)*	<0.5	≤3.0
FLUORIDE *(PE-292-SC)*	*(mg/l)*	<0.05	≤1.5
PAHs: *(PE-293-SC)*			
Benzo(b)fluoranthene	*(µg/ L)*	<0.01	
Benzo(a)pyrene	*(µg/ L)*	<0.005	≤0.010
Benzo(ghi)perylene	*(µg/ L)*	<0.01	
Indeno(1,2,3-cd)pyrene	*(µg/ L)*	<0.01	
Total	*(µg/ L)*	<0.02	≤0.10
TRIHALOMETHANES: *(PE-302-SC)*			
Bromodichloromethane	*(µg/ L)*	<1	
Bromoform	*(µg/ L)*	<1	
Chlorophorm	*(µg/ L)*	<1	
Dibromochloromethane	*(µg/ L)*	<1	
Total	*(µg/ L)*	<1	≤100
TRICHLOROETEN + TETRACLOROETEN: *(PE-302-SC)*			≤10
Trichloroethene	*(µg/ L)*	<1	
Tetrachloroethene	*(µg/ L)*	<1	
TOTAL ORGANIC CARBON *(PE-320-SC)*	*(mg/l)*	0.82 ± 0.16	
RESIDUAL COMBINED CHLORINE *(Calculation)*	*(mg/l)*	<0.05	≤2.0
RESIDUAL FREE CHLORINE *(PE-32-QG)*	*(mg/l)*	<0.05	≤1.0

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PHYSICO-CHEMICAL ANALYSIS

Start 28/10/16 - **End** 13/12/16

Parameter (Test Method)	Units	Results	Legislative Norm
TOTAL CHLORINE *(PE-33-QG)*	*(mg/l)*	<0.05	
SULFATE *(PE-314-SC)*	*(mg/l)*	<1	≤250
MULTIRESIDUE PESTICIDES GC AL: *(PE-298-SC)*			
Aldrin	*(µg/ L)*	<0.015	≤0.03
Dieldrin	*(µg/ L)*	<0.015	≤0.03
Heptachlor	*(µg/ L)*	<0.015	≤0.03
Heptachlor epoxide	*(µg/ L)*	<0.015	≤0.03
Total	*(µg/ L)*	<0.05	≤0.50
MULTIRESIDUE PESTICIDES LC AL: *(PE-316-SC)*			≤0.10
Desisopropylatrazine	*(µg/ L)*	<0.01	≤0.10
Dichlorprop	*(µg/ L)*	<0.01	≤0.10
Dimethoate	*(µg/ L)*	<0.01	≤0.10
Diurone	*(µg/ L)*	<0.01	≤0.10
2,4-Dichlorophenoxy acid	*(µg/ L)*	<0.01	≤0.10
Ethofumesate	*(µg/ L)*	<0.01	≤0.10
Fenoxaprop	*(µg/ L)*	<0.01	≤0.10
Glyphosate	*(µg/ L)*	<0.01	≤0.10
Hexazinone	*(µg/ L)*	<0.01	≤0.10
Pendimethalin	*(µg/ L)*	<0.01	≤0.10
Isoproturon	*(µg/ L)*	<0.01	≤0.10
Chloridazone	*(µg/ L)*	<0.01	≤0.10
Chlorosulphuron	*(µg/ L)*	<0.01	≤0.10
Quinmerac	*(µg/ L)*	<0.01	≤0.10
MCPA	*(µg/ L)*	<0.01	≤0.10
Mecoprop	*(µg/ L)*	<0.01	≤0.10
Metamitron	*(µg/ L)*	<0.01	≤0.10
Metazachlor	*(µg/ L)*	<0.01	≤0.10
Metribuzin	*(µg/ L)*	<0.01	≤0.10
Metsulfuron methyl	*(µg/ L)*	<0.01	≤0.10
Simacine	*(µg/ L)*	<0.01	≤0.10
Terbuthylazine	*(µg/ L)*	<0.01	≤0.10
Thifensulfuron-methyl	*(µg/ L)*	<0.01	≤0.10
2,4,5-trichlorophenoxy acid	*(µg/ L)*	<0.01	≤0.10
Total	*(µg/ L)*	<0.01	≤0.50
ACRYLAMIDE *(PE-317-SC)*	*(µg/ L)*	<0.050	≤0.1
EPICLORHYDRRINE *(PE-318-SC)*	*(µg/ L)*	<0.10	≤0.1
VINYL CHLORIDE *(PE-319-SC)*	*(µg/ L)*	<0.10	≤0.50

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PHYSICO-CHEMISTRY DEPARTMENT:

Standards applied in this report:

The method of migration carried out is that indicated in the UNE -EN 12873-1 (December 2014): "Influence of materials on water intended for human consumption Influence of migration Part 1: Test method of materials of industrial manufacture Which are constituted or contain organic or vitreous materials (vitreous or porcelain glazes).

The test piece is subjected to a process consisting of the following steps:

Specific pretreatment:

* Power cleaning
* Static contact with test water
* Prewash

Migration test: during three sequential periods of migration. A migration period is 24 hours at 85 ° C in test water.

Characteristics of the test:

* Test water
* Migration temperature: 85 ° C
* Contact time: after the pretreatment of the sample, three migration cycles of 24 hours are carried out, thus obtaining 3 test samples; The parameters are analyzed in the first migration cycle after 24 hours.

* Volume of the sample: 1 liter in a cycle of 24 hours.
Contact surface: 5.4 dm2
Surface / volume ratio: 5.4 dm-1

The evaluation of the data obtained in the water of migration has been made with the values established in Reall Decree 140/2003, of February 7, which establishes sanitary criteria for the quality of water for human consumption.

Conclusion: The values obtained in the parameters analyzed in the test water are within the limits established in Real Decree 140/2003, as amended by Real Decree 314/2016.

Director Técnico
Agustina Sánchez Díaz
Madrid, 27th of December of 2016