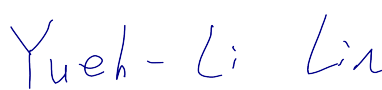



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<i>Test Report No.:</i>		<i>Page 1 of 3</i>	
<b>Auftraggeber:</b> <i>Client:</i>	Formosa Chemicals & Fibre Corporation 201, Tung Hwa N. Rd., Taipei 105, Taiwan, R.O.C.		
<b>Gegenstand der Prüfung:</b> <i>Test Item:</i>	Acrylonitrile/Butadiene/Styrene Copolymers (丙烯酸腈/丁二烯/苯乙烯共聚合樹脂)		
<b>Bezeichnung:</b> <i>Identification:</i>	TAIRILAC ABS AE8000, AE8200, AF3500, AF3535, AF3537, AF3560, AF3600, AH2003, AG1000, AG10NP, AG10NP-T, AG10NP-H, AG12A0, AG12A1, AG12A3, AG12AJ, AG15A0, AG15A1, AG15A1-H, AG15A2, AG15A3, AG15AM, AG15E0, AG15E1, AG15E3, AG15AB, AG15AJ, AG22AT, AG23AT, AG26AT, AG27AT, AX4000, AX4100, AX4300		
<b>Anlieferungszustand:</b> <i>Delivery condition:</i>	apparent good	<b>Eingangsdatum:</b> <i>Date of Receipt:</i>	2020-07-15
<b>Prüfart:</b> <i>Testing location:</i>	TÜV Rheinland Hong Kong Ltd.		
<b>Prüfgrundlage:</b> <i>Test specification:</i>	Testing according to customers specification for the following parameters: FDA 21 CFR 181.32		
<b>Prüfresultat:</b> <i>Test result:</i>	The test results are the measurements, stated in the test report.		
<b>geprüft:</b> <i>tested by:</i>	<b>kontrolliert:</b> <i>checked by:</i>		
			
2020-08-07	Yueh-Li Lin /Senior Project Coordinator	2020-08-07	Arthur Cheng /Project Manager
<b>Datum</b> <i>Date</i>	<b>Name/Stellung</b> <i>Name/Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>
			<b>Name/Stellung</b> <i>Name/Position</i>
			<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges/ Other Aspects:</b>			
Test period: 2020-07-24 – 2020-08-07			
Test sample is model "AG15A1".			
All the above models are the same material as client's declaration dated on 2020-07-20.			
<b>Abkürzungen:</b>	ok / P = entspricht Prüfgrundlage	<b>Abbreviations:</b>	ok / P = passed
	fail / F = entspricht nicht Prüfgrundlage		fail / F = failed
	n.a. / N = nicht anwendbar		n.a. / N = not applicable
<p><b>Produktinformationen werden vom Kunden bereitgestellt. Das Testergebnis wird nach Art und Umfang der durchgeführten Tests gezogen. Dieser Prüfbericht bezieht sich auf das oben genannte Prüfmuster. Ohne Genehmigung des Testzentrums darf dieser Testbericht nicht in Auszügen vervielfacht werden. Dieser Prüfbericht berechtigt nicht zum Tragen eines Prüfzeichens auf diesem oder ähnlichen Produkten.</b></p> <p><i>Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed. This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i></p>			

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Customer : Formosa Chemicals & Fibre Corporation

2020-08-07

### 1. Migration of Acrylonitrile from Acrylonitrile copolymers and resins

Test method: With reference to FDA 21 CFR 181.32(b)

Limit: FDA 21 CFR 181.32(b)

The following simulating solvents and test conditions were stipulated:

Food simulant	Test duration / Temperature
Distilled water	24 hour(s) / 120°F
n-Heptane	30 min(s) / 70°F
Acetic acid 3%	24 hour(s) / 120°F
Ethanol 8%	24 hour(s) / 120°F
Ethanol 50%	24 hour(s) / 120°F

Sample	AG15A1		
Material	plastic/off white		
Lab.-No.	TCL200715-01		
Extracted substance in simulant	Unit	Result	Limit <sup>*1</sup>
Distilled water	mg/in <sup>2</sup>	<0.003	0.003
n-Heptane	mg/in <sup>2</sup>	<0.003	0.003
Acetic acid 3%	mg/in <sup>2</sup>	<0.003	0.003
Ethanol 8%	mg/in <sup>2</sup>	<0.003	0.003
Ethanol 50%	mg/in <sup>2</sup>	<0.003	0.003

Sample	AG15A1		
Material	plastic/off white		
Lab.-No.	TCL200715-01		
Extracted substance in simulant	Unit	Result	Limit <sup>*1</sup>
Distilled water	ppm	0.05	0.3
n-Heptane	ppm	<0.01	0.3
Acetic acid 3%	ppm	0.05	0.3
Ethanol 8%	ppm	0.04	0.3
Ethanol 50%	ppm	0.10	0.3

Abbreviations:

- mg/ in<sup>2</sup> = Milligram per square inch
- ppm = Parts per million
- < = Less than

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2020-08-07

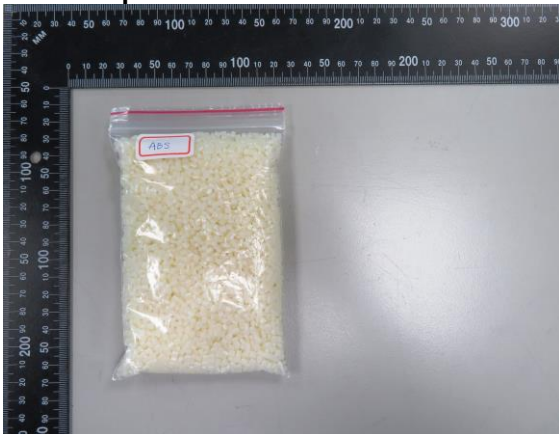
**Remark:**

\*1 According to FDA 21 CFR 181.32(b), articles in contact with food should not exceed the following limits:

Category	Unit	Description	Maximum chloroform-soluble extractives
1.	mg/in <sup>2</sup>	Single-use articles having a volume to surface ratio of 10 milliliters or more per square inch of food-contact surface	0.003
2.	ppm	Single-use articles having a volume to surface ratio of less than 10 milliliters per square inch of food-contact surface	0.3
3.	mg/in <sup>2</sup>	Repeated-use articles	0.003

\*2 The examined item does meet the requirement

**Test Sample**



--- End of Test-Report ---