

**Test Report No.: 68.431.22.3967.01A**

**Dated: 2022-09-07**



**Applicant** : The Dream Farm Pty. Ltd  
9 Amy Street, Albion QLD 4010 Australia

**Sample Description** : Sharple

**Manufacturer** : Wellbase

**Country of Origin** : China

**Country of Destination** : The whole wide world

**Test Sample Receipt Date, Location** : 2022-08-30, Shenzhen

**Test Period, Location** : From 2022-08-30 to 2022-09-06, Shenzhen

**Test Result(s)** : Refer to Section 3



**Laboratory:**

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**Purpose Of Examination / Conclusion:**

<b>Test Requested:</b>	<b>As specified by client, to test per the selected requirement(s) for the tested item(s) as stated in the Regulation (EC) No.1935/2004</b>
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No.	Test Item(s)	Conclusion
1	<b>Overall Migration</b>	Pass
2	<b>Specific Migration of PAA</b>	Pass
3	<b>Specific Migration of PAAs</b>	Pass
4	<b>Specific Migration of Heavy Metals</b>	Pass
5	<b>Specific Migration of Butadiene (BU)</b>	Pass
6	<b>Specific Migration of Acrylonitrile (AN)</b>	Pass
7	<b>Total Butadiene content</b>	Pass
8	<b>Extractable 23 Heavy Metals</b> Test as specified in EDQM Technical Guide Council of Europe Resolution CM/Res(2013)9	Pass

Remarks:

- (1) The results relate only to the items tested.
- (2) Samples are tested as received.
- (3) The test item and samples were specified by the client
- (4) "Pass" means the measured result is within a limit, even when extended by expanded uncertainty. "Fail" means the measured result is beyond a limit, even when extended by expanded uncertainty. "Inconclusive" means the measured result can be within or beyond a limit when extended by expanded uncertainty. The confidence level of the expended uncertainty for "Pass", "Fail" and "Inconclusive" is 95%.

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TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch  
TÜV SÜD Group

Prepared by:

Reviewed by:



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1. Description of the Test Sample:

Sample Description	Sharple
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2. List of Materials as identified by the Laboratory:

T. No.	Sample No.	Colour and Description	Photograph
T1	001	Red ABS plastic (Handle)	
T2	002	Silvery 420J2 stainless steel (Blade)	



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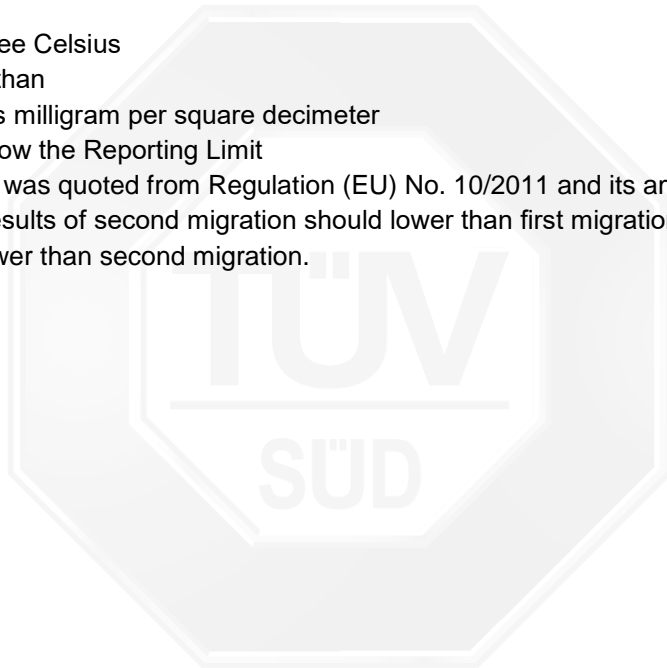
**3. Test Result**

**3.1 Overall Migration**

Test method: As specified in Regulation (EU) No. 10/2011 ANNEX III and V, test with reference to: EN 1186-1:2002(Guide to the selection of conditions and test methods for overall migration) EN 1186-3:2002 (Total Immersion method) [Reporting Limit: 3mg/dm<sup>2</sup>]

TEST ITEM	TEST CONDITIONS	RESULTS [mg/dm <sup>2</sup> ]			LIMIT [mg/dm <sup>2</sup> ]
		SAMPLE 001 1 <sup>st</sup> Migration	SAMPLE 001 2 <sup>nd</sup> Migration	SAMPLE 001 3 <sup>rd</sup> Migration	
3% Acetic acid	40°C for 0.5 Hour	ND	ND	ND	<10
10% Ethanol	40°C for 0.5 Hour	ND	ND	ND	<10
<b>Conclusion:</b>		Pass*			--

- Note 1. "°C" denotes degree Celsius  
 2. "<" denotes less than  
 3. "mg/dm<sup>2</sup>" denotes milligram per square decimeter  
 4. "ND" denotes below the Reporting Limit  
 5. The specification was quoted from Regulation (EU) No. 10/2011 and its amendments  
 6. "\*" denotes the results of second migration should lower than first migration, the result of third migration should lower than second migration.





### 3.2 Specific Migration of PAA

Test method: with reference to EN 13130-1:2004, follow by Ultraviolet and visible spectrophotometry (UV-Vis).

Test Conditions: 3% Acetic Acid: 40 °C for 0.5 Hour

TEST ITEM	RESULT [mg/kg]			Reporting limit [mg/kg]	LIMIT [mg/kg]
	SAMPLE 001 1 <sup>st</sup> Migration	SAMPLE 001 2 <sup>nd</sup> Migration	SAMPLE 001 3 <sup>rd</sup> Migration		
Primary Aromatic Amine	ND	ND	ND	<0.01	<0.01
<b>Conclusion:</b>	Pass	Pass	Pass	--	--

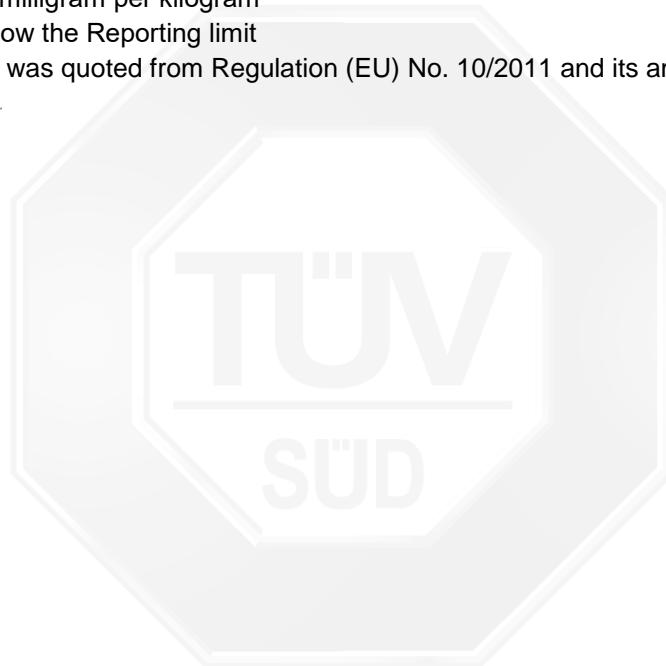
Note 1. "°C" denotes degree Celsius

2. "<" denotes less than

3. "mg/kg" denotes milligram per kilogram

4. "ND" denotes below the Reporting limit

5. The specification was quoted from Regulation (EU) No. 10/2011 and its amendments



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### 3.3 Specific Migration of PAAs

Test method: with reference to EN 13130-1:2004, follow by Liquid chromatography tandem mass spectrometer (LC-MS/MS). [Reporting Limit:0.002 mg/kg]

Test Conditions: 3% Acetic Acid: 40 °C for 0.5 Hour

TEST ITEM	RESULTS [mg/kg foodstuff]			LIMIT [mg/kg]
	SAMPLE 001 1 <sup>st</sup> Migration	SAMPLE 001 2 <sup>nd</sup> Migration	SAMPLE 001 3 <sup>rd</sup> Migration	
4-Aminobiphenyl (4-ABP)	ND	ND	ND	<0.002
Aniline (ANL)	ND	ND	ND	<0.002
o-Anisidine (o-ASD)	ND	ND	ND	<0.002
Benzidine (BNZ)	ND	ND	ND	<0.002
4-Chloro-Aniline (4-CA)	ND	ND	ND	<0.002
4-Chloro-o-Toluidine (4-CoT)	ND	ND	ND	<0.002
2,4-Dimethylaniline (2,4-DMA)	ND	ND	ND	<0.002
4,4'-Diaminodiphenylether (4,4'-DPE)	ND	ND	ND	<0.002
4,4*-Methylenedianiline (4,4*-MDA)	ND	ND	ND	<0.002
4,4'-Methylenedi-o-toluidine (4,4'-MDoT)	ND	ND	ND	<0.002
2-Methoxy-5-Methylaniline (2-M-5-MA)	ND	ND	ND	<0.002
m-Phenylenediamine (m-PDA)	ND	ND	ND	<0.002
4-Methoxy-mphenylenediamine (4-M-mPDA)	ND	ND	ND	<0.002
o-Toluidine (o-T)	ND	ND	ND	<0.002
2,4-Toluenediamine (2,4-TDA)	ND	ND	ND	<0.002
3,3-Dimethylbenzidine (3,3-DMB)	ND	ND	ND	<0.002
2,4,5-Trimethylaniline (2,4,5-TMA)	ND	ND	ND	<0.002
2,6-Toluenediamine (2,6-TDA)	ND	ND	ND	<0.002
2,6-Dimethylaniline (2,6-DMA)	ND	ND	ND	<0.002
p-Phenylenediamine (p-PDA)	ND	ND	ND	<0.002
1,5-Diaminenaphthalene (1,5-DAN)	ND	ND	ND	<0.002
2-naphthylamine	ND	ND	ND	<0.002
o-aminoazotoluene	ND	ND	ND	<0.002
5-nitro-o-toluidine	ND	ND	ND	<0.002
3,3'-dichlorobenzidine	ND	ND	ND	<0.002
3,3'-dimethoxybenzidine	ND	ND	ND	<0.002
4,4'-methylene-bis-(2-chloro-aniline)	ND	ND	ND	<0.002
4,4'-thiodianiline	ND	ND	ND	<0.002
4-amino azobenzene	ND	ND	ND	<0.002
<b>Conclusion:</b>	Pass	Pass	Pass	--

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### 3.4 Specific Migration of Heavy Metals

Test method: with reference to EN 13130-1:2004, follow by Inductively Coupled Plasma Mass Spectrometry (ICP-MS).

Test Conditions: 3% Acetic Acid: 40 °C for 0.5 Hour

TEST ITEM	RESULT [mg/kg foodstuff]			Reporting limit [mg/kg]	LIMIT [mg/kg]
	SAMPLE 001 1 <sup>st</sup> Migration	SAMPLE 001 2 <sup>nd</sup> Migration	SAMPLE 001 3 <sup>rd</sup> Migration		
Aluminium (Al)	ND	ND	ND	<0.1	<1
Antimony (Sb)	ND	ND	ND	<0.01	<0.04
Arsenic (As)	ND	ND	ND	<0.01	<0.01
Barium (Ba)	ND	ND	ND	<0.1	<1
Cadmium (Cd)	ND	ND	ND	<0.002	<0.002
Chromium (Cr)	ND	ND	ND	<0.01	<0.01
Cobalt (Co)	ND	ND	ND	<0.05	<0.05
Copper (Cu)	ND	ND	ND	<0.5	<5
Iron (Fe)	ND	ND	ND	<1.0	<48
Lead (Pb)	ND	ND	ND	<0.01	<0.01
Lithium (Li)	ND	ND	ND	<0.1	<0.6
Manganese (Mn)	ND	ND	ND	<0.05	<0.6
Mercury (Hg)	ND	ND	ND	<0.01	<0.01
Nickel (Ni)	ND	ND	ND	<0.01	<0.02
Zinc (Zn)	ND	ND	ND	<1.0	<5
<b>Sum of Eu, Gd, La, Tb</b>	ND	ND	ND	<0.04	<0.05
<b>Conclusion:</b>	Pass*			--	--

Note 1. "°C" denotes degree Celsius

2. "<" denotes less than

3. "mg/kg" denotes milligram per kilogram

4. "ND" denotes below the Reporting limit

5. The specification was quoted from Regulation (EU) No. 10/2011 and its amendments

6. "\*" denotes the results of second migration should lower than first migration, the result of third migration should lower than second migration.

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**3.5 Specific Migration of Butadiene (BU)**

Test method: with reference to EN 13130-1:2004 and CEN/TS 13130-15:2005, follow by Headspace-Gas Chromatography Mass Spectrometry.

Test Conditions: 3% Acetic Acid: 40 °C for 0.5 Hour

TEST ITEM	RESULT [mg/kg foodstuff]			Reporting limit [mg/kg]	LIMIT [mg/kg]
	SAMPLE 001 1 <sup>st</sup> Migration	SAMPLE 001 2 <sup>nd</sup> Migration	SAMPLE 001 3 <sup>rd</sup> Migration		
Butadiene	ND	ND	ND	<0.01	<0.01
<b>Conclusion:</b>	Pass	Pass	Pass	--	--

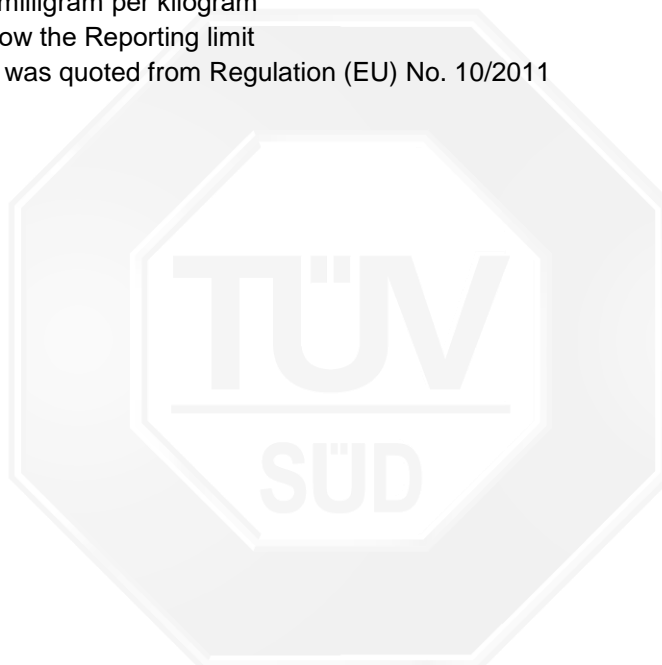
Note 1. "°C" denotes degree Celsius

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**3.6 Specific Migration of Acrylonitrile (AN)**

Test method: with reference to EN 13130-1:2004 and EN 13130-3:2004, follow by Headspace-Gas Chromatography Mass Spectrometry (GC-MS).

Test Conditions: 3% Acetic Acid: 40 °C for 0.5 Hour

TEST ITEM	RESULT [mg/kg foodstuff]			Reporting limit [mg/kg]	LIMIT [mg/kg]
	SAMPLE 001 1 <sup>st</sup> Migration	SAMPLE 001 2 <sup>nd</sup> Migration	SAMPLE 001 3 <sup>rd</sup> Migration		
Acrylonitrile	ND	ND	ND	<0.01	<0.01
<b>Conclusion:</b>	Pass	Pass	Pass	--	--

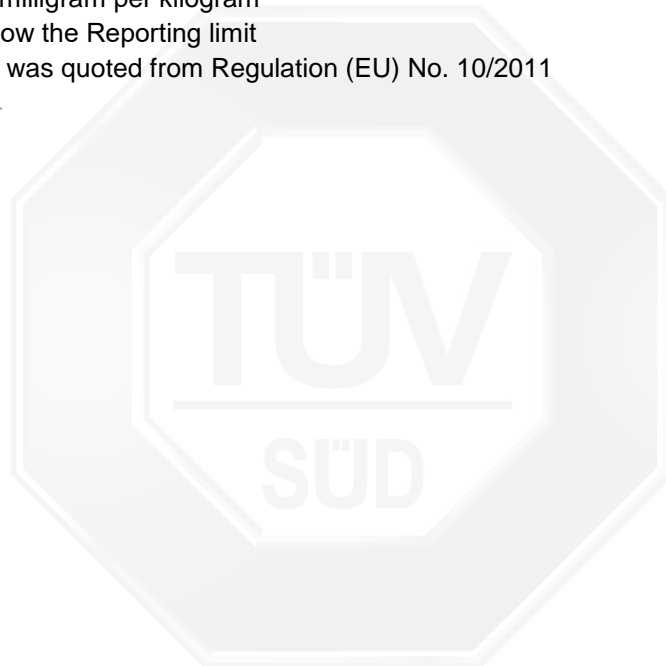
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**3.7 Total Butadiene content**

Test method: with reference to EN 13130-1:2004 and EN 13130-4:2004, follow by Headspace-Gas Chromatography Flame Ionization Detector (GC-FID).

TEST ITEM	RESULTS [mg/kg]	MAXIMUM PERMISSIBLE LIMIT [mg/kg]
	SAMPLE 001	
Total butadiene content	< 0.2	1.0
<b>Conclusion</b>	Pass	-

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**3.8 Extractable 23 Heavy Metals**

Test as specified in EDQM Technical Guide Council of Europe Resolution CM/Res(2013)9

Sample(s) was tested with below test condition, and followed by ICP-OES and ICP-MS analysis

Test Conditions: 0.5% citric acid: 40 °C for 0.5 Hour

Elements		Result(s) of 1 <sup>st</sup> + 2 <sup>nd</sup> Migration	Result(s) of 3 <sup>rd</sup> Migration	7*Maximum Permissible Limits [mg/kg g foodstuff]	Maximum Permissible Limits [mg/kg g foodstuff]
		[mg/kg foodstuff]	[mg/kg foodstuff]		
SAMPLE 002					
1.	Aluminum (Al)	<0.2	<0.1	35	5
2.	Antimony (Sb)	<0.01	<0.005	0.28	0.04
3.	Arsenic (As)	<0.0008	<0.0004	0.014	0.002
4.	Barium(Ba)	<0.2	<0.1	8.4	1.2
5.	Beryllium (Be)	<0.004	<0.002	0.07	0.01
6.	Cadmium (Cd)	<0.0008	<0.0004	0.035	0.005
7.	Chromium (Cr)	<0.10	<0.050	1.75	0.25
8.	Cobalt (Co)	<0.004	<0.002	0.14	0.02
9.	Copper (Cu)	<0.2	<0.1	28	4
10.	Iron (Fe)	<0.2	<0.1	280	40
11.	Lead (Pb)	<0.02	<0.01	0.07	0.01
12.	Lithium (Li)	<0.01	<0.005	0.336	0.048
13.	Magnesium (Mg)	<0.1	<0.05	-	-
14.	Manganese (Mn)	<0.2	<0.1	12.6	1.8
15.	Mercury (Hg)	<0.001	<0.0005	0.021	0.003
16.	Molybdenum (Mo)	<0.004	<0.002	0.84	0.12
17.	Nickel (Ni)	<0.1	<0.05	0.98	0.14
18.	Silver (Ag)	<0.004	<0.002	0.56	0.08
19.	Thallium (Tl)	<0.0002	<0.0001	0.0007	0.0001
20.	Tin (Sn)	<1.0	<0.5	700	100
21.	Titanium (Ti)	<0.1	<0.05	-	-
22.	Vanadium (V)	<0.004	<0.002	0.07	0.01
23.	Zinc (Zn)	<0.2	<0.1	35	5

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-- END OF TEST REPORT--