



TEST REPORT

Report No. : GR:HL:5480017621

DATE : 07th July, 2014



R.B. DYECHEM PVT. LTD
VIDHYA BHAWAN, GHASS MANDI
VILL. RUHERI. HATHRAS-204101
INDIA
CONTACT PERSON : RAM BEHARI AGGARWAL

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION COLORED POWDER(GULAL)
COLOUR 7 SHADES
ORDER NUMBER 39107
BUYER WATCH CLUB INC
COUNTRY OF ORIGIN INDIA
SAMPLE RECEIVING DATE 25/06/2014
TEST PERFORMING DATE 26/06/2014 TO 07/07/2014

TEST REQUESTED PLEASE REFER TO THE RESULT SUMMARY

TEST METHOD & RESULT PLEASE REFER TO NEXT PAGE(S)

RESULT SUMMARY

Test Requested	Conclusion
EN 71 Part 3 :2013 –Migration of certain Elements (as per client's request)	PASS

Per Pro SGS India Pvt Ltd.

Subasini Saraswat
Asst. Manager
Email your Test Report Related Enquiries at Feedback.HLT@sgs.com

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EN71-3: 2013 – Migration of certain elements

Category I : powder like material

Method : With reference to EN71-3:2013. Analysis of general elements was performed by ICP-MS.

Test Item	Results (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
	1	2		
Mass of trace amount (mg)	--	--	--	--
Soluble Aluminium (Al)	ND	ND	50	5,625
Soluble Antimony (Sb)	ND	ND	1	45
Soluble Arsenic (As)	ND	ND	0.5	3.8
Soluble Barium (Ba)	ND	ND	50	1,500
Soluble Boron (B)	ND	ND	50	1,200
Soluble Cadmium (Cd)	ND	ND	0.3	1.3
Soluble Chromium (Cr)	ND	ND	0.015	--
Soluble Chromium (III) [#] (Cr (III))	See Note [#]	See Note [#]	1	37.5
Soluble Chromium (VI) [#] (Cr (VI))	See Note [#]	See Note [#]	0.018	0.02
Soluble Cobalt (Co)	ND	ND	0.5	10.5
Soluble Copper (Cu)	ND	ND	50	622.5
Soluble Lead (Pb)	ND	ND	0.5	13.5
Soluble Manganese (Mn)	ND	ND	50	1,200
Soluble Mercury (Hg)	ND	ND	0.5	7.5
Soluble Nickel (Ni)	ND	ND	10	75
Soluble Selenium (Se)	ND	ND	5	37.5
Soluble Strontium (Sr)	ND	ND	50	4,500
Soluble Tin (Sn)	ND	ND	0.36	15,000
Soluble Organic Tin [^]	See Note [^]	See Note [^]	0.5	0.9
Soluble Zinc (Zn)	ND	ND	50	3,750
Comment	PASS	PASS	--	

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Test Item	Results (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
	3	4		
Mass of trace amount (mg)	--	--	--	--
Soluble Aluminium (Al)	ND	ND	50	5,625
Soluble Antimony (Sb)	ND	ND	1	45
Soluble Arsenic (As)	ND	ND	0.5	3.8
Soluble Barium (Ba)	ND	ND	50	1,500
Soluble Boron (B)	ND	ND	50	1,200
Soluble Cadmium (Cd)	ND	ND	0.3	1.3
Soluble Chromium (Cr)	ND	ND	0.015	--
Soluble Chromium (III) [#] (Cr (III))	See Note [#]	See Note [#]	1	37.5
Soluble Chromium (VI) [#] (Cr (VI))	See Note [#]	See Note [#]	0.018	0.02
Soluble Cobalt (Co)	ND	ND	0.5	10.5
Soluble Copper (Cu)	ND	ND	50	622.5
Soluble Lead (Pb)	ND	ND	0.5	13.5
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Soluble Selenium (Se)	ND	ND	5	37.5
Soluble Strontium (Sr)	ND	ND	50	4,500
Soluble Tin (Sn)	ND	ND	0.36	15,000
Soluble Organic Tin [^]	See Note [^]	See Note [^]	0.5	0.9
Soluble Zinc (Zn)	ND	ND	50	3,750
Comment	PASS	PASS	--	--

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Test Item	Results (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
	5	6		
Mass of trace amount (mg)	--	--	--	--
Soluble Aluminium (Al)	ND	ND	50	5,625
Soluble Antimony (Sb)	ND	ND	1	45
Soluble Arsenic (As)	ND	ND	0.5	3.8
Soluble Barium (Ba)	ND	ND	50	1,500
Soluble Boron (B)	ND	ND	50	1,200
Soluble Cadmium (Cd)	ND	ND	0.3	1.3
Soluble Chromium (Cr)	ND	ND	0.015	--
Soluble Chromium (III) [#] (Cr (III))	See Note [#]	See Note [#]	1	37.5
Soluble Chromium (VI) [#] (Cr (VI))	See Note [#]	See Note [#]	0.018	0.02
Soluble Cobalt (Co)	ND	ND	0.5	10.5
Soluble Copper (Cu)	ND	ND	50	622.5
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Soluble Selenium (Se)	ND	ND	5	37.5
Soluble Strontium (Sr)	ND	ND	50	4,500
Soluble Tin (Sn)	ND	ND	0.36	15,000
Soluble Organic Tin [^]	See Note [^]	See Note [^]	0.5	0.9
Soluble Zinc (Zn)	ND	ND	50	3,750
Comment	PASS	PASS	--	--

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Test Item	Results (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
	7			
Mass of trace amount (mg)	--		--	--
Soluble Aluminium (Al)	ND		50	5,625
Soluble Antimony (Sb)	ND		1	45
Soluble Arsenic (As)	ND		0.5	3.8
Soluble Barium (Ba)	ND		50	1,500
Soluble Boron (B)	ND		50	1,200
Soluble Cadmium (Cd)	ND		0.3	1.3
Soluble Chromium (Cr)	ND		0.015	--
Soluble Chromium (III) [#] (Cr (III))	See Note [#]		1	37.5
Soluble Chromium (VI) [#] (Cr (VI))	See Note [#]		0.018	0.02
Soluble Cobalt (Co)	ND		0.5	10.5
Soluble Copper (Cu)	ND		50	622.5
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Soluble Mercury (Hg)	ND		0.5	7.5
Soluble Nickel (Ni)	ND		10	75
Soluble Selenium (Se)	ND		5	37.5
Soluble Strontium (Sr)	ND		50	4,500
Soluble Tin (Sn)	ND		0.36	15,000
Soluble Organic Tin [^]	See Note [^]		0.5	0.9
Soluble Zinc (Zn)	ND		50	3,750
Comment	PASS		--	--

Sample description: 1. Orange powder, 2. Pink powder, 3. Yellow powder, 4. Red powder, 5. Purple powder, 6. Light blue powder, 7. Green powder .

Note:

- 1) mg/kg = milligram per kilogram
- 2) ND = Not Detected
- 3) 1% = 10000 mg/kg = 10000 ppm
- 4) [#] Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013.
- 5) [^] Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3: 2013.

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Samples as Received



***** End of Report*****

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