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CERTIFICATE OF ANALYSIS

Material - Information

Product Code	PCD33SBPD1BA	FDA Analysis Date	Feb-10-2015
Product Des.	ADORA FD&C Red 4 Powder	Batch No.	AW0680
Date of MFG	01/21/2015	Date of EXP	01/20/2020
Certified % Total Color	93		

Determination	Method	Specification	Found	Unit
TARTRATE BUFFER TITRATION	1		93.03	%
SPECTROPHOTOMETRIC	2	87.000 - 100.000	92.75	%
VOLATILE MATTER	3	0.000 - 13.000	1.5	%
NACL	4		4.81	%
NA2SO4 BY I. C.	5		0.22	%
WATER INSOLUBLE MATTER	6	0.000 - 0.200	0.18	%
M-XYLIDINE-6-SUFONIC ACID	161	0.000 - 0.200	<0.02	%
4-OH-1-NAPHTHALENESULFONIC ACID	162	0.000 - 0.200	<0.02	%
SUBSIDIARY COLORS	267	0.000 - 2.000	0.24	%
MERCURY	7	0.000 - 1.000	PT	ppm
LEAD	8	0.000 - 10.000	PT	ppm
ARSENIC	9	0.000 - 3.000	PT	ppm

Microbiology Analysis	Method	Specification	Unit
Total plate count		< 1000	cfu/g
Yeast		< 100	cfu/g
Mold		< 100	cfu/g
E. Coli		Negative in 1g	cfu/g
Salmonella		Negative in 25g	cfu/g

Note : - Microbiological testing performed every twelve months on representative production samples by external lab.

We hereby guarantee that the batch of color listed above is a FDA certified colorant. The use of this color is subject to the terms, conditions, and restrictions set forth in the Federal, Food, Drug, and Cosmetic Act and the regulations listed within. The above page is a copy of FDA's analytical report.

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