



DIVI'S LABORATORIES LIMITED

SPECIFICATIONS

Product : Lycopene 5% DC

Rev. No. : HNL05A/03

Date: 18/11/13

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S. No.	Test	Specification	Method reference
01.	Description	Free flowing reddish color particles. May contain visible white starch particles	In-house
02.	Identification by UV	The ratio A_{472}/A_{504} is 1.09 to 1.13 in isopropyl alcohol	USP
03.	Fineness	100% passes through Mesh No.20 Not less than 85% passes through Mesh No.40 Not more than 15% passes through Mesh No.100	USP <786>
04.	Loss on drying	Not more than 8.0 % w/w	USP <731>
05.	Heavy metals	Not more than 10 ppm	USP <231>
06.	Heavy metals by ICP- OES a) Arsenic b) Lead c) Cadmium d) Mercury	Not more than 3 ppm Not more than 2 ppm Not more than 1 ppm Not more than 0.1 ppm	In-house
07.	Lycopene content	Not less than 5.0 % w/w	USP
08.	Content of all-E-Lycopene, 5Z-Lycopene and Related compounds (by HPLC) a) all-E-Lycopene b) 5Z-Lycopene c) Other related compounds	Not less than 65.0 % Not more than 23.0 % Not more than 14 %	USP
09.	Microbiological analysis Aerobic bacteria Yeasts and molds Enterobacteria Escherichia coli Salmonella spp. Staphylococcus aureus Pseudomonas aeruginosa	Maximum 1000 CFU/g Maximum 100 CFU/g Maximum 10 CFU/g Absent in 10 g Absent in 25 g Absent in 10 g Absent in 10 g	USP <2021>, <2022> & <2023>

Nutraceuticals

Prepared by:	Approved by:	Authorized by:
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