



Safetab Life Science

Plot No. A-67 to 72, PIPDIC
Electronic Park, Thirubuvanai,
Puducherry-605107

Tel: 0413 – 2641099
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CERTIFICATE OF ANALYSIS

Product Name	:	Richfer Capsules (Carbonyl Iron, Folic acid, Cyanocobalamin, Ascorbic acid, Zinc, Alpha Tocopheryl Acetate and Selenium Capsules)		
Batch No.	:	G17250703	Batch Size	: 13.5 LAC
Mfg. Date	:	JUL'2025	Exp. Date	: JUN'2028
Sampling Date	:	17/07/2025	Sample Quantity	: 6X10'S
Analysis Date	:	17/07/2025	Specification No.	: SPEC-1047-02
Release Date	:	22/07/2025	A.R. No.	: SFP251174

Sr. No.	Test	Specification	Results
1.	Description	Red/Red coloured, '0' size GHPL printed hard gelatin capsule filled with grey colour granular powder.	Red/Red coloured, '0' size GHPL printed hard gelatin capsule filled with grey colour granular powder.
2.	Identification		
	A. Carbonyl Iron (By UV)	The maximum absorbance of sample solution for Carbonyl Iron is corresponds to that of standard absorbance as obtained in the assay procedure.	Complies
	B. Ascorbic acid (By titration)	Positive to the presence of Ascorbic acid.	Complies
	C. Cyanocobalamin (By Microbiological Method)	Positive to the presence of Cyanocobalamin	Complies
	D. Folic acid (By HPLC)	The retention time of major peak in the chromatogram of the assay preparation should correspond to that of standard preparation as directed under the assay of Folic acid.	Complies
	E. Zinc sulphate monohydrate (By AAS)	The maximum absorbance of sample solution of Zinc sulphate monohydrate is corresponds to that of standard absorbance as obtained in the assay procedure.	Complies

Particulars	Prepared By	Reviewed By	Approved By
Name	S.PALANICHAMY	C.K.SARAVANAN	M.VIJAYAKUMAR
Designation	Asst. Manager - QC	Asst. Manager - QC	GM - QC
Signature/Date			



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	F. Alpha Tocopheryl Acetate (By HPLC)	The retention time of major peak in the chromatogram of the assay preparation should corresponds to that of standard preparation as directed under the assay of Alpha Tocopheryl Acetate.	Complies
	G. Sodium Selenate (By AAS)	The maximum absorbance of sample solution of Sodium selenate is corresponds to that of standard absorbance as obtained in the assay procedure.	Complies
3.	Average weight of filled Capsule	596.0 mg \pm 5 % (566.2 mg to 625.8 mg)	601.9mg
4.	Average Net filled Content	500.0 mg \pm 5 % (475.0 mg to 525.0 mg)	504.6mg
5.	Uniformity of fill weight	\pm 7.5% of average fill weight	(-): 1.56% (+): 4.10%
6.	Disintegration Time	Not more than 30 minutes	06 minutes 08 seconds
7.	Assay: Each Hard Gelatin Capsule Contains		
	Carbonyl Iron eq. to Elemental Iron.... 100mg	Not less than 90.0% and not more than 110.0% of the labelled claim	101.85mg (101.8%)
	Folic acid BP....500mcg	Not less than 90.0% of the labelled claim	590.31mcg (118.1%)
	Cyanocobalamin BP ...15mcg	Not less than 90.0% of the labelled claim	20.05mcg (133.6%)

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	Ascorbic acid BP.....75mg	Not less than 90.0% of the labelled claim	75.81mg (101.1%)
	Zinc sulphate monohydrate BP....61.8mg (equivalent to Elemental Zinc 22.5mg)	Not less than 90.0% of the labelled claim	25.54mg (113.5%)
	Alpha Tocopheryl Acetate Concentrate 50% BP... 15 IU	Not less than 90.0% of the labelled claim	17.84IU (118.9%)
	Sodium selenate Equivalent to Selenium 65 mcg	Not less than 90.0% of the labelled claim	70.49mcg (108.4%)
8.	Microbial Limit Test		
	Total aerobic microbial count	Not more than 1000 cfu/g	<10cfu/g
	Total Yeast & Mould count	Not more than 100 cfu/g	<10cfu/g
	E. Coli	Should be absent/g	Absent
	Salmonella	Should be absent/10g	Absent
	P. aeruginosa	Should be absent/g	Absent
	S. aureus	Should be absent/g	Absent

Remarks: The sample Complies/~~Does not Complies~~ as per BP/USP/In-House specification.

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