

CERTIFICATE OF ANALYSIS

Product Name	: FARMAL® SSG C	Pin Code	: 70001438
Generic Name	: Sodium Starch Glycolate USP-NF(Type-A)	Batch No.	: JDBA0085
Manufacture Date	: 07/09/2024	Best Before	: 06/09/2028
COA Ref. No.	: E002/052/24	COA Date	: 16/09/2024

Sr. No.	Test	Result	Specification USP-NF(Type-A)
1	Description	White, tasteless, odorless, relatively free-flowing powder. ✓	White, tasteless, odorless, relatively free-flowing powder. ✓
2	Solubility	A 2% (w/v) dispersion in cold water settles, on standing, in the form of highly hydrated layer. ✓	A 2% (w/v) dispersion in cold water settles, on standing, in the form of highly hydrated layer. ✓
3	Identification		
3.1	Identification-A	The IR spectra of sample is concordant to the IR spectra of Working Standard. ✓	The IR spectra of sample should must be concordant to the IR spectra of Working Standard. ✓
3.2	Identification-B	An acidified solution of it is colored blue to violet. ✓	An acidified solution of it should be colored blue to violet by the addition of iodine and potassium iodide solution. ✓
3.3	Identification-C	A dense precipitate is formed. ✓	A dense precipitate should be formed. ✓
3.4	Identification-D	It impart an intense yellow color to a non-luminous flame. ✓	It should impart an intense yellow color to a non-luminous flame. ✓
4	Assay (% of Sodium)	3.22%	2.8% to 4.2%. ✓
5	Sodium chloride	6.13%	Not more than 7.0% ✓
6	Sodium glycolate	Less than 2.0%	Not more than 2.0%. ✓
7	Iron	The color of the solution from the Sample solution is a shade of pink no deeper than that of the solution from the Standard solution. ✓	The color of the solution from the Sample solution should a shade of pink no deeper than that of the solution from the Standard solution. (0.002%) ✓
8	pH	6.44	5.5 to 7.5 ✓
9	Loss on drying	3.25%	Not more than 10.0% ✓
10	Microbial Enumeration test and tests for specified microorganisms		
10.1	Escherichia coli	Absent	Should be absent/gm ✓
10.2	Salmonella	Absent	Should be absent/10gm ✓

In house Test

11	Residual Solvents		
11.1	Methanol	Complies	Complies per ICH Q3C and USP <467> requirements
11.2	Ethanol	Complies	Complies per ICH Q3C and USP <467> requirements

Remarks: This product complies as per current standards of USP-NF(Type-A) monograph.

Storage condition: Store in well-closed airtight containers and protect from light, moisture and excessive temperature to avoid cause caking.

Prepared by: *[Signature]*
QC Chemist 13/02/2025

Checked by: *[Signature]*
QC Supervisor 13/02/2025

Approved by: *[Signature]*
Sr. Quality Specialist 13/02/2025