

|                             |                                |                                 |                               |
|-----------------------------|--------------------------------|---------------------------------|-------------------------------|
| REPORT ID<br>AF-2026-219809 | VERIFICATION CODE<br>N3CJ-M6NK | CLIENT<br>China Peptide Source  | STATUS<br>ACTIVE              |
| PRODUCT<br>AICAR 50 mg      | BATCH / LOT<br>AICA-25B4       | SAMPLE RECEIVED<br>Jul 28, 2026 | ANALYSIS DATE<br>Jul 30, 2026 |

CORE ANALYTICAL PANEL

| TEST PARAMETER       | METHOD      | RESULT    | SPECIFICATION | STATUS   |
|----------------------|-------------|-----------|---------------|----------|
| Purity               | RP-HPLC     | 99.80%    | ≥99.00%       | Conforms |
| Identity             | LC-MS       | 258.1 Da  | 258.1 ± 2 Da  | Conforms |
| Net Content Quantity | Gravimetric | 50.163 mg | 50 mg Target  | Conforms |

BIOSAFETY & SCREENING

| SAFETY TEST                 | METHOD | OBSERVED LEVEL | LIMIT       | STATUS |
|-----------------------------|--------|----------------|-------------|--------|
| Endotoxin Assay (LAL)       | LAL    | 0.380 EU/mg    | ≤ 5.0 EU/mg | Pass   |
| Heavy Metal Screen (ICP-MS) | ICP-MS | 0.062 ppm      | < 0.1 ppm   | Pass   |

ADDITIONAL ANALYTICAL RESULTS

| TEST PARAMETER     | METHOD                    | RESULT   | SPECIFICATION         | STATUS   |
|--------------------|---------------------------|----------|-----------------------|----------|
| Appearance         | Visual Inspection         | Conforms | Product specification | Conforms |
| Water Content      | Karl Fischer              | 0.35%    | ≤ 1.0%                | Pass     |
| Related Substances | HPLC (Related Substances) | < 0.10%  | ≤ 1.0%                | Pass     |
| Residual Solvents  | Headspace GC              | < 10 ppm | ≤ 5000 ppm            | Pass     |
| pH (Reconstituted) | pH Meter                  | 7.2      | 6.5–7.5               | Conforms |

METHOD & SAMPLE SUMMARY

|                                      |                                 |                      |
|--------------------------------------|---------------------------------|----------------------|
| PRIMARY METHOD<br>RP-HPLC            | MATRIX<br>Lyophilized Powder    | SAMPLE SIZE<br>50 mg |
| METHOD REFERENCE<br>AF-ANALYTICAL-01 | OVERALL DISPOSITION<br>CONFORMS |                      |

VERIFICATION

N3CJ-M6NK

<https://analyticalformulations.com/verify/N3CJ-M6NK>

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