

CERTIFICATE OF ANALYSIS

(COA)

Analizaodczynnikiw Laboratorium

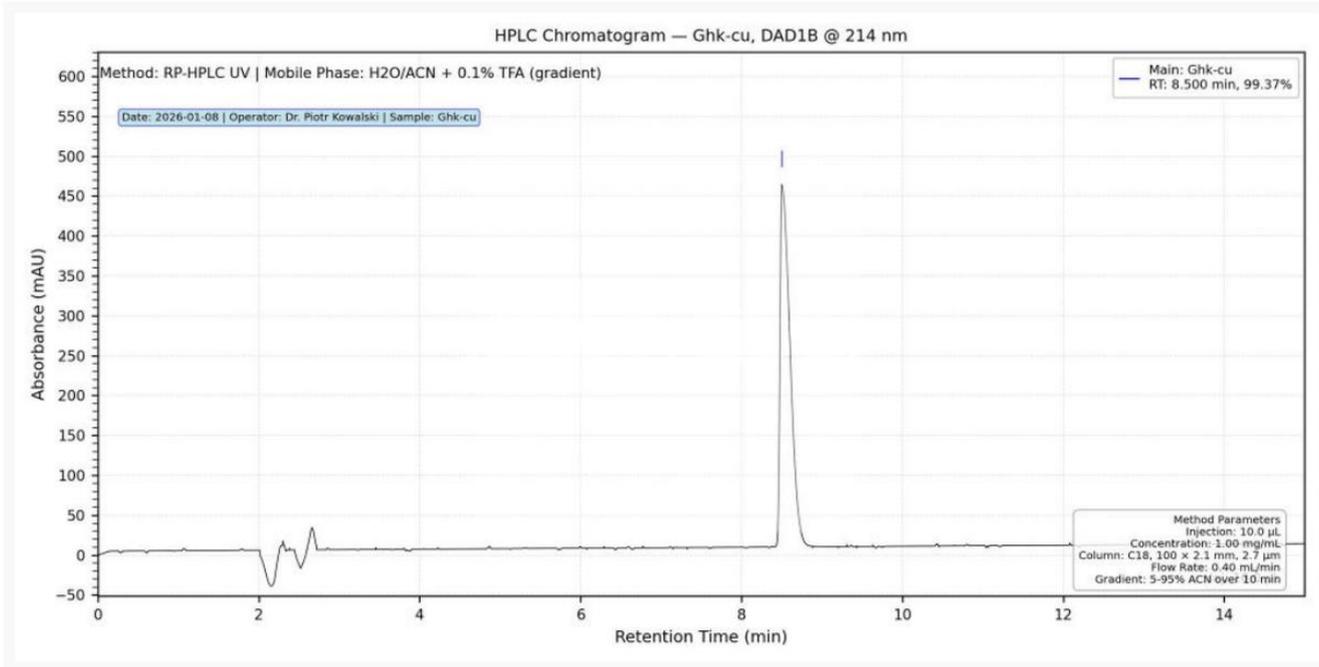
Park Naukowo - Techniczny w Opolu, ul. Technologiczna 2, 45-839 Opole, Poland
Website: analizaodczynnikiw.pl

PRODUCT DATA

| | | | |
|--------------------|---------------------------|-------------------|---|
| Product | Ghk-cu | Batch | GHK-Cu-B2401 |
| CAS | 89030-95-5 | Formula | C ₁₄ H ₂₂ CuN ₆ O ₄ |
| Appearance | Blue to blue-green powder | Mol. Wt. | 401.91 g/mol |
| Quantity | 20mg | Purity | 99.37% |
| Content | 20.29 mg | Analysis Method | Column: C18, 100 × 2.1 mm, 2.7 μm Flow: 0.40 mL/min Gradient: 5-95% ACN over 10 min Injection: 10.0 μL |
| Analysis Conducted | 2026-01-05 | Principal Chemist | Dr. Piotr Kowalski |
| Produced | 2026-01-05 | | |

HPLC CHROMATOGRAM

Signal: UV 214 nm
Method: Column: C18, 100 × 2.1 mm, 2.7 μm | Flow: 0.40 mL/min | Gradient: 5-95% ACN over 10 min | Injection: 10.0 μL
Mobile Phase: H₂O/ACN + 0.1% TFA



PEAK ANALYSIS TABLE

| Retention Time [min] | Type | Peak Width [min] | Peak Area | Peak Height | Peak Area % | Name |
|----------------------|----------|------------------|-----------|-------------|-------------|--------|
| 8.470 | Impurity | 0.200 | 0.110 | 0.3 | 0.17 | Des-HK |
| 8.500 | Main | 0.136 | 65.0 | 224.7 | 99.37 | Ghk-cu |
| 8.531 | Impurity | 0.141 | 0.140 | 0.5 | 0.21 | Des-GH |
| 8.611 | Impurity | 0.200 | 0.160 | 0.4 | 0.24 | Des-G |
| Sum | | | 65.4 | - | 100.00 | - |

Anna Nowak

Mgr. Anna Nowak

QA Approver

Date: 2026-01-05

END OF REPORT