

## Certificate Of Analysis

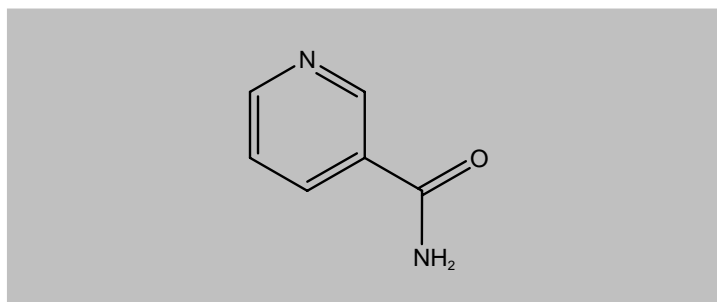
### Quality Control Testing and Research Application

COA Preparation Date: 08/01/2007  
COA Revision Date: 08/01/2010

**Product:** Nicotinamide  
**Cat. No:** BG0068  
**Batch No:** 0068BG/01  
**Chemical Name:** Pyridine-3-carboxylic acid amide; Vitamin B<sub>3</sub>

#### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>6</sub>H<sub>6</sub>N<sub>2</sub>O  
**Batch Molecular Weight:** 122.12  
**CAS No:** [98-92-0]  
**Physical Appearance:** White powder  
**Melting Point (°C):** 128.2 - 128.7  
**Solubility:** Soluble in water or ethanol  
**Storage:** RT  
**Batch Molecular Structure:**



**Product Description:** An important compound functioning as a component of the coenzyme NAD. Its primary significance is in the prevention and/or cure of blacktongue and pellagra.

**References:** 1. Beal et al. (1994) Ann Neurology 36:882; 2. Schulz et al. (1995) Exp Neurology 132:279

- CAUTION - Not fully tested. For Research use only. Not for human use. –

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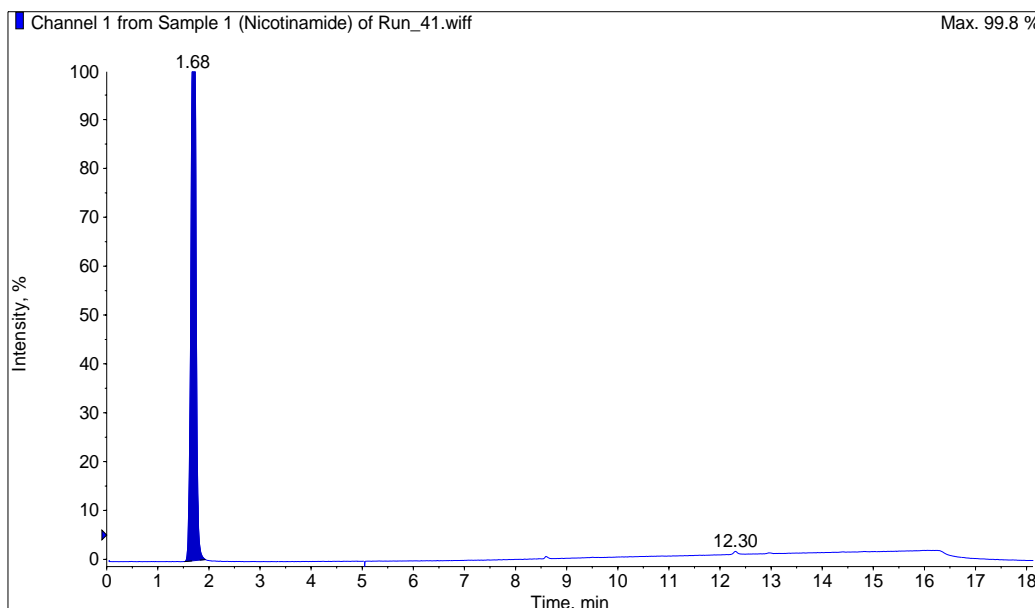
**BG0068 Nicotinamide**

## 2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference  
M.W. 122.12 (theoretical); M.W. 122.12 (found)

Tests: Loss on drying: <0.5% (complies); Residue on ignition: < 0.1% (complies);  
Heavy Metals: < 20 PPM (complies); HPLC Assay: 99.49% (complies).



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