

## Certificate of Origin

<b>Product Number:</b>	B7283	
<b>Product Name:</b>	Benserazide hydrochloride >= 98 % TLC, solid	
<b>Lot Number:</b>	BCBH3553V	
<b>Brand:</b>	Sigma	
<b>Country of Manufacture:</b>		<b>Italy</b>
<b>Type of Manufacture</b>		
Chemical synthesis / chemical transformation		Yes
Fermentation / from cell culture		No
Purification/extraction from biological material		No
Blending of various components (incl. Preparation of solutions)		No
Purification/extraction from non-biological natural inorganic/organic source		No
<b>Is the product / material partly or fully of human or animal origin (i.e., tallow derived materials, tissue, tissue extract or fluid such as milk, blood, etc.)?</b>		<b>No</b>
<b>Does the manufacturing process involve any raw materials, sourcing materials, or reagents that are of human or animal origin (i.e., lubricants, cleaning agents, filtering agents, processing aids, enzymes or cultural media, fermentation)?</b>		<b>No</b>
<b>Is any of the equipment used for processing and / or storage of the product in contact at any time with other materials of human or animal origin (i.e., cleaning solutions, solutions for equipment, test media used in equipment validation, other human or animal-derived products / materials)?</b>		<b>No</b>
<b>Is the product / material, for any other reason, at any time during its manufacturing process, in contact with materials of human or animal origin including fermentation?</b>		<b>No</b>
<b>Does the closure container (e.g. bottles, caps, drum, etc.) involve any raw materials that are of human or animal origin?</b>		<b>No</b>
<b>Is the Product/Material synthetic origin?</b>		<b>Yes</b>
<b>Is the product/material directly produced through genetic engineering?</b>		<b>No</b>
<b>Genetically modified organisms used</b>		<b>No</b>
<b>Have any gluten materials been applied during manufacturing?</b>		<b>No</b>
<b>During the manufacturing process is a catalyst(s) used?</b>		<b>Yes</b>
<b>Is the product/material directly produced or handled using ionizing radiation?</b>		<b>No</b>
<b>During the manufacturing process is a solvent(s) used?</b>		<b>Yes</b>
<b>Are processes in-place for monitoring the production process, traceability and batch consistency?</b>		<b>Yes</b>
<b>Is this product/material collected and/or processed in dedicated equipment?</b>		<b>No</b>
<b>Was this product/material collected and packaged in new or sterilized containers?</b>		<b>Yes</b>
<b>Soak</b>		<b>Yes</b>

**Circulate****Yes****Have any allergen materials been applied during manufacturing?****No****BSE/TSE statement:**

This product-batch was derived from non-animal sources. Therefore this product-batch complied with the requirements stipulated in EMEA/410/01 as **Negligible Risk** for Transmissible Spongiform Encephalopathy (TSE) / Bovine Spongiform Encephalopathy (BSE).



Dr. Thomas Hellmann  
Director Quality Assurance-EMEA

**This information is to be used for the purpose of determining animal or other biological origin only and not to be confused with "country of origin" for import/export purposes. Data provided in this document are property of Sigma-Aldrich.**

**The above information is believed to be correct to the best of our knowledge**

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