



<b>Name of Material</b>	:	<b>Ammonium Bi Carbonate [E 503]</b>
Manufacturer	:	NA
Supplier	:	NA
Country of Origin	:	NA
Batch/Lot No.	:	NA
MFG Date	:	NA
EXP Date	:	NA
Challan No.	:	NA
QA Ref. No.	:	NA
QRN Ref. No.	:	NA
Qty. Supplied	:	NA
Date of Received	:	NA
Date of Testing	:	NA
Date of Reporting	:	NA

SN	Description	Specification	Results
01	Physical State	Powder	
02	Color	White	
03	pH [10% Solution]	< 8.6	
04	Purity	99%	
05	Defects Free	Free from dust. Free from foreign matter. Free from abnormal color and flavor.	

<b>Remarks</b>	
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<b>Decision</b>	<input type="checkbox"/>	Accepted	<input type="checkbox"/>	Rejected
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**Tested By**                      **Checked By**                      **Approved By**

**Other Related Information**

Name of Material	Ammonium Bi Carbonate [E 503]
Others Name	Ammonium Bi Carbonate Ammonium hydrogen carbonate Bicarbonate of ammonia Hartshorn AmBic Powdered baking ammonia
Chemical Composition	(NH <sub>4</sub> )HCO <sub>3</sub>
Molar Mass	79.056 gm/mol
Density	1.586 gm/cm <sup>3</sup>
Melting Point	41.9 C
Boiling Point	NA
Others Information	<ul style="list-style-type: none"> <li>- It is the bi carbonate salt of ammonium ion.</li> <li>- Colorless solid that degrades readily to carbon di oxide, water &amp; ammonia.</li> </ul>
Function in Food Process	<ul style="list-style-type: none"> <li>- Ammonium bi carbonate is used as leavening agent to release CO<sub>2</sub> in dough &amp; batter during baking and thus give the characteristics porous cellular structure to finished product such as bread, cake &amp; biscuits.</li> <li>- It is also proofing agent.</li> <li>- It decomposes completely when heated, breaking down into CO<sub>2</sub>, ammonia gas &amp; water.</li> <li>- It is readily soluble but is very alkaline, giving softer dough, which require less water for a given consistency.</li> </ul>

