

TRF No.:171841707 R

Test Report

Date of Report: 07/02/2018

Name of Customer : ITC Limited
 Address : Peenya Industrial Area, Phase-1,
 Bangalore, Karnataka
 Pin Code : 560058
 Contact Person : Mr. Rajesh NAYAK
 Date of Receipt of sample to be lab : 12/12/2017
 Date of Starting Analysis : 13/12/2017
 Date of Completion : 13/12/2017
 Sample(s) Drawn by The : No

Laboratory

Report No.: 171841707

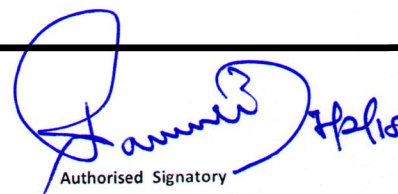
Sample: Ashirvaad Superior MP Atta, Nature:Solid, Sample Code:ATMI-172512,
 Batch No:04B M3, PKD:28 NOV 2017, Qty:1kg x 2pkt, Sealed:Yes, Packing:Plastic
 Pack

Parameter Name	Method	Result	Unit
Protein (N x 5.70)	AOAC 2001.11	75.69	%
Gluten Content	FSSAI MAN - Cereals and Cereals Products 2016 - Clause 8.4	10.41	%

Note: Protein was analysed on extracted gluten residue
 Dough made with atta is washed with water to remove starch and fibre. Post wash residue is an elastic substance which is gluten. About 7 - 12% of atta is gluten. This gluten consists of around 75% protein which is estimated by determining the nitrogen content of extracted gluten by the Kjeldahl method. The nitrogen content is converted to protein by multiplying with a factor of 5.7 which is specific to wheat and wheat products.
 Standard methods [AOAC Official Method 2001.11 - Protein (Crude) in animal feed, Forage (plant tissue), Grain and Oil Seeds & FSSAI Manual of Methods of Analysis of Foods - Cereal & Cereal Products Clause 8.4, Page 17, 2016] are available for determination of gluten in atta and protein in food products.

Remarks : As per FSSAI regulations, any Atta should have minimum 6% Gluten. The protein content and gluten residue confirms that the residue isolated from atta is gluten not plastic

*** End of Report***



Authorised Signatory

Ramaswamy Parthiban
 VP-Operations

Note:

1. The results reported relate only to the sample(s) tested.
2. Test report shall not be reproduced except in full, without written approval of the laboratory.
3. Laboratory is not responsible for the authenticity of photocopied test report.
4. The test items will not be retained for perishable products and 1 months in the case of non-perishable samples unless otherwise agreed with the customer or as required by the applicable regulation.
5. The tests marked with (*) are not accredited by NABL.
6. The tests marked with (#) are OutSource.
7. The Report no. with suffix R - Revised Report.
8. Note: This report supersedes the R. No171841707 dated 14.12.2017 (Sr. No. 067336-067337)

171841707(5)

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