CHIPS
POTATO & BANANA

17 Brands Tested. Many High in Fat & Sodium

CONSUMER EDUCATION AND RESEARCH SOCIETY, AHMEDABAD, INDIA
They’re crisp, crunchy, deliciously salty, and “you can’t eat just one”. You’re right — we are talking about chips. Chips are certainly not a health food but that doesn’t stop them from being extremely popular, especially with the younger generation. Of course, we too have tasted them. But this time we decided to test them.

Brands Tested
We tested 10 brands of fried potato chips (plain, salted) and seven brands of fried banana chips. The potato chips were — Balaji, Haldiram’s Halke Fulke, Sushma, Samrat, Lays, Uncle Chipps, Kailash Parbat, O.K., Camy and Induben Khakhrawala, (C.G. Road, Ahmedabad). The banana chips were — Samrat, Sushma, Sree Ram, Jalsa Foods, A-1 Kairali, Balaji and Induben Kela Wafer (Mithakhali, Ahmedabad).

They represented nationally, regionally or locally popular brands. We carried out all the tests in duplicate and well within the products’ shelf-life.

How Unhealthy Are Chips?
Chips are high in fat and salt. Worse, as our tests revealed, the fat content in most brands was above the range recommended by the Standards.
People know that chips are fattening but a higher than stipulated fat content, which reflects on the method of preparation, is an even bigger cause for concern. The sodium content was also quite high as per guidelines of the Food Standards Agency, UK. Both these factors have adverse implications for health.

Excess fat can lead to obesity which triggers many health problems — from heart disease to diabetes and cancer. Excess salt means excess sodium and excess sodium is harmful; it can cause high blood pressure which triples the risk of heart disease and stroke.

### Key Findings

- We tested a total of 17 brands — 10 brands of potato chips and seven brands of banana chips — as per the specifications of the BIS.

### Best Buys

- We recommend *Lays* as the ‘best buy’ among the national brands of potato chips and *Sushma* among the regional brands. Among the regional brands of banana chips, *A-1* and *Balaji* were equally good, though *A-1* was lower in price by Rs 1.50 per 100 gm.

### Chemical

- The fat content was substantially above the specified range of 15-35 per cent in all brands of potato chips except one (*Lays*). Four out of seven brands of banana chips — *Sree Ram, Jalsa, A-1* and *Balaji* — conformed to this parameter.

- The sodium content was also very high in most brands of potato chips and some brands of banana chips. Only *Sushma* and *Samrat* potato chips and *Sree Ram, Jalsa, A-1* and *Balaji* banana chips contained sodium less than 550 mg per 100 gm.

- The moisture content was found to be higher than the limit in *Induben* (C.G. Road) potato chips (4.5 per cent) against the Standard maximum of 3 per cent.

- The acid value of extracted fat was higher than the stipulated limit of 2 in one brand of banana chips — *Induben* (Mithakhali) at 4.

### Sensory

- In the sensory analysis, among the potato chips *Uncle Chips* topped the list with a score of 76.8 per cent. Among the banana chips *Sree Ram* was liked the most with a score of 68.2 per cent.

### Nutrition

- *Balaji* and *Lays* potato chips contained the maximum amount of protein (7 per cent), *Lays* the most carbohydrate content (55 per cent) and *Samrat* and *Sushma* the maximum amount of energy (590 Kcal per 100 gm).

### Weight

- Five brands were found not complying with the Standards of Weights and Measures (Packaged Commodities) Rules, 1977, with the net weight lower than the maximum permissible error limit. These were *Sushma, Samrat* and *O.K.* potato chips, and *Jalsa* and *Induben* banana chips.

### Standards

There are no Standards in the Prevention of Food Adulteration Act, 1954 (PFA) for chips as it is a proprietary product. We tested them against the voluntary BIS standards — IS 12575: 1989 for fried potato chips and IS 12574: 1989 for fried banana chips. Sensory characteristics are also covered in the Standards. Packets of none of the brands carried the ISI mark.

### Ingredients

The essential ingredients of potato and banana chips as per the Bureau of Indian Standards (BIS) are potatoes and mature unripe bananas, respectively, besides edible oil or fat (refined edible oil, edible hydrogenated vegetable oil or ghee, singly or in combination and

### Packets Underweight

Thirteen brands had packets weighing less than the labelled weight. No consumer should have to pay for a quantity he does not receive. Inadequate labelling information in some brands was another finding.

### Labelling

- Four brands of potato chips (*Induben, Camy, O.K.* and *Kailash*) and four brands of banana chips (A-1, *Sree Ram, Jalsa* and *Induben*) did not comply with the PFA Act’s labelling requirements.

- The maximum retail prices (MRPs) and packing sizes of different brands varied widely.
As per UK Food Standards Agency, more than 550 mg per 100 gm is high.

** The other chemical parameters tested as per the Standards were acid insoluble ash (only for potato chips) and peroxide value. All brands conformed to these.

*** We tested sodium, protein, carbohydrates and energy as additional parameters.

# Price at the time of purchase converted into price per 100 gm for comparison.

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### RESULTS

#### BANANA CHIPS

<table>
<thead>
<tr>
<th>Brands/Standards</th>
<th>Rank</th>
<th>Overall Weighted Score</th>
<th>Price 100 gm (Rs.)</th>
<th>WEIGHTED SCORES</th>
<th>CHEMICAL</th>
<th>NUTRITION</th>
<th>SENSORY</th>
<th>LABELLING</th>
<th>WEIGHT</th>
<th>MOISTURE % by mass</th>
<th>Sodium mg/100 gm</th>
<th>Fat % by mass</th>
<th>Protein % by mass</th>
<th>Carbohydrate % by mass</th>
<th>Energy Kcal/100 gm</th>
<th>SENSORY 100-point Score</th>
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<td>Chemical</td>
<td>Nutrition</td>
<td>Sensory</td>
<td>Labelling</td>
<td>Weight</td>
<td>Moisture % by mass</td>
<td>Sodium mg/100 gm</td>
<td>Fat % by mass</td>
<td>Protein % by mass</td>
<td>Carbohydrate % by mass</td>
<td>Energy Kcal/100 gm</td>
<td>SENSORY 100-point Score</td>
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<tr>
<td>A-1 KAIRALI</td>
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<td>67</td>
<td>11.00</td>
<td>18.5</td>
<td>18.2</td>
<td>13.0</td>
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<td>8.8</td>
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<td>61</td>
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<td>67</td>
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<td>12.7</td>
<td>10</td>
<td>10</td>
<td>2.4</td>
<td>2</td>
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<td>36</td>
<td>3</td>
<td>59</td>
<td>537</td>
<td>63.6</td>
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<tr>
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<td>65</td>
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<td>18.3</td>
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<td>SAMBAT</td>
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<td>54</td>
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<tr>
<td>SUSHMA</td>
<td>5</td>
<td>46</td>
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<td>2</td>
<td>53</td>
<td>576</td>
<td>56.2</td>
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** Local       |

<table>
<thead>
<tr>
<th>Brands/Standards</th>
<th>Rank</th>
<th>Overall Weighted Score</th>
<th>Price 100 gm (Rs.)</th>
<th>WEIGHTED SCORES</th>
<th>CHEMICAL</th>
<th>NUTRITION</th>
<th>SENSORY</th>
<th>LABELLING</th>
<th>WEIGHT</th>
<th>MOISTURE % by mass</th>
<th>Sodium mg/100 gm</th>
<th>Fat % by mass</th>
<th>Protein % by mass</th>
<th>Carbohydrate % by mass</th>
<th>Energy Kcal/100 gm</th>
<th>SENSORY 100-point Score</th>
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<td>40</td>
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<td>0</td>
<td>3.5</td>
<td>4</td>
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<td>39</td>
<td>3</td>
<td>52</td>
<td>555</td>
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<td>1.6</td>
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<td>469</td>
<td>30</td>
<td>6</td>
<td>49</td>
<td>551</td>
<td>57.4</td>
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</table>

### Best Buys

Our ‘Best Buys’ are based on the overall weighted score and the price.

**Regional Brands**

- **SUSHMA**
  - Regional Brands
  - Price: Rs. 12.50
  - Rating & Ranking:
    - Moisture: 3.9
    - Acid Insoluble Ash: 3.9
    - Fat: 2.5
    - Protein: 1.4
    - Carbohydrate: 2.5
    - Energy: 2.5
    - Overall Score: 289

**National Brands**

- **LAYS**
  - National Brands
  - Price: Rs. 17.40
  - Rating & Ranking:
    - Moisture: 4.0
    - Acid Insoluble Ash: 4.0
    - Fat: 2.4
    - Protein: 2.2
    - Carbohydrate: 2.2
    - Energy: 2.2
    - Overall Score: 278

### Rating and Ranking

For rating and ranking the brands, we assigned the following weightages — 40 per cent to chemical parameters, 20 per cent to nutrition, 20 to sensory scores, 10 to weight and 10 to labeling.

Among the chemical parameters, in potato chips the following weightages in percentages were given — moisture (12.8), sodium (12.8), acid insoluble ash (4.8), acid value (4.8) and peroxide value (4.8). In banana chips the weightages given were — moisture (15.2), sodium (15.2), acid value of extracted fat (4.8) and peroxide value (4.8).
containing permitted antioxidants) and salt. Optional ingredients are spices (chillies or peppers), permitted flavourings and citric acid/tartaric acid. Monosodium glutamate may be added to potato chips. The frying medium has to be regularly replaced and its temperature should not exceed the smoke point.

Chips are prepared by peeling and slicing and deep-frying potatoes or bananas at the proper temperature which would render them crisp. Salt is added after frying.

As per the Standards, potato and banana chips should be tested for moisture, fat, acid value of extracted fat and peroxide value. Potato chips have also to be tested for acid insoluble ash.

**Fat Content**
While fat gives crispness and taste to chips, increases their shelf-life and energy value, excess fat makes them greasy besides adding extra calories.

The fat content was substantially above the specified range of 15-35 per cent of mass in nine brands of potato chips and three brands of banana chips. Only one brand of potato chips, Lays, and four brands of banana chips, Sree Ram, Jalsa, A-1 and Balaji, were within the limits.

Among the potato chips brands, Sushma and Samrat recorded the highest fat content of 44 per cent. Among the banana chips, again Sushma contained the highest amount of fat at 40 per cent.

**Moisture**

Moisture as a percentage of weight should not be more than 3 per cent. One local brand, Induben potato chips, did not conform and showed moisture of 4.5 per cent. An excess moisture may lead to spoilage.

**Acid Value**

The acid value of extracted fat was higher than the stipulated limit in Induben banana chips. The value was 4 against the limit of 2. This is undesirable, indicating staleness and inferior quality.

**Nutrition**
Chips also contain protein and carbohydrates. The protein content in the potato chips was found to be 5-7 per cent and in banana chips 2-3 per cent. The carbohydrate content in potato chips was 46-55 per cent and in banana chips 42-55 per cent. The fat content was substantially above the specified range of 15-35 per cent of mass in nine brands of potato chips and three brands of banana chips. Only one brand of potato chips, Lays, and four brands of banana chips, Sree Ram, Jalsa, A-1 and Balaji, were within the limits.

Among the potato chips brands, Sushma and Samrat recorded the highest fat content of 44 per cent. Among the banana chips, again Sushma contained the highest amount of fat at 40 per cent.

**High Sodium**

Another major finding of our tests was that eight brands of potato chips and three brands of banana chips had high sodium content. As per a UK Food Standards Agency guideline, the model value for sodium in chips is 550 mg per 100 gm.

Among the potato chips brands, Uncle Chippys revealed the highest sodium content of 775 mg per 100 gm, followed by Lays with 737 mg. Among the banana chips, Sushma recorded the highest sodium content at 790 mg, followed by Samrat at 668 mg.
The calorific value of potato chips was found between 537 and 590 Kcal/100 gm. In the case of banana chips, it was 516 to 570 Kcal/100 gm.

**Inadequate Labelling**
As per PFA Rule 32, packets should carry certain information on the label. (See table on page 10 for details).

Four brands of potato chips, *Induben, Camy, O.K.* and *Kailash*, and four brands of banana chips, *Induben, A-1, Sree Ram* and *Jalsa*, did not conform to the labelling requirements.

Interestingly, only one out of 17 brands, i.e. *Haldiram’s* gave additional nutritional information on the label at the time of purchase of samples. Now, however, some brands have started giving this information.

### Sensory Testing
As per IS 12575 (1989) and IS 12574 (1989), both potato and banana chips should have an attractive yellow to golden yellow colour; crisp texture; pleasant odour and taste; uniform surface; be free from blisters, excessive brown pigmentation and wet centres; should not be excessively greasy; be free from rancidity and other objectionable odours and tastes, and be free from insects, insect residues, rodent hair and excreta, and fungal infestation.

The chips were tested for the following parameters — appearance, texture, flavour, mouthfeel and taste, and after-taste.

### Sensory Results
Among the potato chips, *Uncle Chipps* ranked first with a score of 76.8 per cent followed by *Lays* with 73 per cent, and *Haldiram’s* with 62.4 per cent. *Sushma* obtained the lowest score of 45.6 per cent.

Among the banana chips, *Sree Ram* scored the maximum with 68.2 per cent. *Samrat* came next with 66.6 per cent and *A-1* obtained 65.2 per cent. *Sushma* obtained the lowest sensory score of 56.2 per cent.

While studying the correlation between chemical and sensory scores, we found that although *Sushma* and *Samrat* had high chemical scores, *Uncle Chipps* topped in sensory followed by *Lays*. A preference for a brand of chips is largely a matter of taste.

### Unjust Enrichment
Five brands were found not complying with the Standards of Weights and Measures (Packaged Commodities) Rules, 1977.

*Sushma, Samrat* and *O.K.* potato chips and *Jalsa* and *Induben* banana chips 52-63 per cent.

*UNJUST ENRICHMENT TO MANUFACTURERS*

<table>
<thead>
<tr>
<th>Brand</th>
<th>Labelled Weight (gm)</th>
<th>MRP (Rs.)</th>
<th>No. of packets checked</th>
<th>No. of packets found underweight</th>
<th>Minimum weight (gm)</th>
<th>Maximum weight (gm)</th>
<th>Your loss per pack* (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POTATO CHIPS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Balaji</td>
<td>180</td>
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<td>8</td>
<td>177.04</td>
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<td>Haldiram’s</td>
<td>40</td>
<td>10.00</td>
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<td>5</td>
<td>39.12</td>
<td>39.42</td>
<td>0.15 to 0.22</td>
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<tr>
<td>Samrat</td>
<td>80</td>
<td>10.00</td>
<td>16</td>
<td>8</td>
<td>68.09</td>
<td>79.09</td>
<td>0.11 to 1.49</td>
</tr>
<tr>
<td>Sushma</td>
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<td>10.00</td>
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<td>12</td>
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<td>O.K.</td>
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<td>27.75</td>
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<td>7</td>
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<td>198.23</td>
<td>0.27 to 0.71</td>
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</tbody>
</table>

| **BANANA CHIPS** |                      |           |                        |                                  |                    |                    |                          |
| Samrat          | 80                   | 10.00     | 16                     | 4                                | 77.13              | 78.43              | 0.20 to 0.36             |
| Sushma          | 80                   | 10.00     | 16                     | 1                                | 79.34              | ...                | 0.08                     |
| Sree Ram        | 200                  | 20.00     | 8                      | 5                                | 199.05             | 199.20             | 0.08 to 0.10             |
| Jalsa           | 90                   | 10.00     | 9                      | 4                                | 83.17              | 89.17              | 0.09 to 0.76             |
| A-1 Kairali     | 200                  | 22.00     | 8                      | 1                                | 197.77             | ...                | 0.25                     |
| Induben (Mithakhadi) | 100                  | 10.00     | 16                     | 16                               | 94.10              | 97.65              | 0.24 to 0.59             |

*A few paise on an individual pack may look insignificant. However, taking into account the large number of chips packets being sold throughout the country, the consumers’ loss may run into lakhs of rupees.

** Only one packet was less than the labelled weight.
chips revealed packets with net weights less than the maximum permissible error limits.

In addition to these five, the packets of eight brands weighed less than the labelled net weights. (See table on page 11 for details.)

In contrast, the net weight of all the packets of two brands of potato chips — Lays and Induben — was more than the labelled weight.

A lot of variation was found in the MRP (price) and packing size of different brands. For instance, Lays potato chips (net weight 115 gm) was priced at Rs. 20. Balaji and Induben potato chips (net weight 180 gm) were also priced at Rs 20.

Price vs Performance

Though the packing sizes varied widely, we calculated what 100 gm of each brand would cost. We compared these prices with the overall weighted scores the brands obtained.

The results came up with a few surprises. The national favourite among the potato chips, Lays, was less expensive than Haldiram’s which obtained a much lower score. Among the banana chips, one of the top two regional brands, A-1, was also reasonably priced. However, Sree Ram which obtained a score that was only two points lower was considerably less expensive.

<table>
<thead>
<tr>
<th>Brand</th>
<th>Price per 100 gm (Rs.)</th>
<th>Overall weighted score (100%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>POTATO CHIPS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAYS</td>
<td>17.40</td>
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<tr>
<td>UNCLE CHIPPSS</td>
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<tr>
<td>HALDIRAM’S</td>
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<tr>
<td>CAMY</td>
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<tr>
<td>KAILASH PARBAT</td>
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<td>A-1 KAIRAL</td>
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<td>BALAJI</td>
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<td>SREE RAM</td>
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<td>JALSA FOODS</td>
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<td>SAMRAT</td>
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<td>46</td>
</tr>
<tr>
<td>INDUBEN</td>
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</table>

Shelf-life

The Standards do not specify any shelf-life. Most brands of potato chips which mention a ‘best before’ date give it as four months from the date of manufacture or packing. Among the banana chips, the shelf-life given varied from 15 days to three months. Some brands advised storage away from direct sunlight.

Home-made Chips

Some people prefer to purchase (or make at home) dried chips which can be fried whenever they want. We tested two samples of home-made chips for fat and sodium contents. The fat content was 27.2 per cent and 25.8 per cent — much lower than that of ready-to-eat chips. Similarly, the sodium content was only 240.7 mg and 298.8 mg per 100 gm. The results indicate that home-made chips are better for health.

Manufacturers’ Response

As a policy, we convey the test results to all the manufacturers, irrespective of whether their brands have passed or failed. The results are posted to their registered offices by Registered A.D./courier. All manufacturers receive the results of their own product only and are required to take action.

Areas of Action

1. The PFAs should make Standards mandatory for potato and banana chips as this would lead to a better quality control, especially as children are major consumers of chips.
2. Manufacturers should mention on the labels the types of oil used — saturated, unsaturated or hydrogenated.
3. The BIS should take note of salt minimisation efforts recommended by the Food Standards Agency (UK). It should suggest limits for salt and sodium, taking into account our country’s tropical climate.
4. Nutritional information should be given on the labels, as in other countries.
5. The Third Schedule of the Standards of Weights and Measures (Packaged Commodities) Rules, 1977, needs to include chips so that they are available only in standard quantity and consumers can easily compare the prices of different brands.
Pepsi Foods said the salt content in Lays information is now being given on packets. While Lays is a global brand, Uncle Chips is a brand acquired in India. Lays offers only ridged chips while Uncle Chips also has flat chips. Both the brands are available in different flavours.

As for the fat content, it is dependent on the total solids in potatoes and in the off season this is on the lower side, on the total solids in potatoes and in the level is based on consumer preferences. Still, keeping in mind its keeping quality. The moisture content in potato chips was 0.8 per cent of mass against the Standard maximum of 3 per cent. Because of the low moisture, oil/fat absorption may be higher.

As regards the slightly high sodium content in the potato chips, it said that application of salt may have been more during the chip-making process and promised to take care to reduce it in the future.

The company said it had a fully automatic frying system where fresh palmolein oil are used for frying. Insight: Maintaining low moisture content should reduce the oil absorption, leading to lower fat content. Besides, we have tested the fat content on a dry basis as is required by the IS. The company did not comment on the fact that all eight samples checked were underweight.

Haldiram’s said the fat content in the chips varied depending on the quality of potatoes. As regards sodium, the company said it would check the chip making process. It said packets were checked randomly for weight and it would ensure that the problem of underweight packets does not recur. It added that fresh palmolein oil is used for frying.

Kailash Parbat said it was not the manufacturer but only a trader but assured us it would change the weighing instruments to ensure that packets are not underweight.

Uncle Chips — Pepsi Foods (P) Ltd., Village Channo, Patiala, Sangrur Road, P.O. Mazgaon, Mumbai - 400010

Balaji Wafers Pvt. Ltd. — Survey No. 19, Vajd (Vad), Kalawad Road, Dist. Rajkot - 360003
Haldiram’s — Kasana Foods Pvt. Ltd., Bhandara Road, Nagpur - 440008
Sushma — Shushma Namkeen Pvt. Ltd., Tajpur Road, Sarkhej-Bavla, Highway, Changodar, Dist. Ahmedabad - 382210
Lays — Frito-lay India, C-5, MIDC, Ranjangaon, Taluka - Shirur, Pune - 412220
Uncle Chips — Pepsi Foods (P) Ltd., Village Channo, Patiala, Sangrur Road, P.O. Bhawangam, Dist. Sangrur
Camy — Camy Wafers (India) Pvt. Ltd., 4B, Old Anzeerwadi, Dr. Mascarehns Road, Mazgaon, Mumbai - 400010

O.K. — Aga Bros, 16/A, Cusrou Baug, Colaba, Mumbai - 400001
Kailash Parbat — Kailash Parbat Sweets & Salties, 5, Shree Mahal, 1st Pasta Lane, Colaba, Mumbai - 400005
Induben Khakhrawala — Induben Khakhrawala, Behind Ship Building, Opp. Sardar Patel Seva Samaj Hall, Off C.G. Road, Navrangpura, Ahmedabad - 380009
Induben Kela Wafer — Smita Traders (Hirenbhai Zaveri), Opp. Municipal School, Nr. Mithakhali Bus Stop, Mithakhali, Ahmedabad - 380006
Sree Ram — Sree Ram Chips, 225, Mundi, Amman Koli St., Redhills, Chennai - 62
Jalsa — Jalsa Products, Mysore - 21
A-1 Kairali — Thomsun Enterprises, Nr. Octroi Naka, Vastrapur, Ahmedabad - 380015

<table>
<thead>
<tr>
<th>Brand</th>
<th>Claim</th>
<th>Fact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brand</td>
<td>Lays potato chips</td>
<td>The world’s No. 1 potato chips</td>
</tr>
<tr>
<td>Claim</td>
<td>The chips are crisper and lighter</td>
<td>The manufacturer did not substantiate the claim with supporting data.</td>
</tr>
<tr>
<td>Fact</td>
<td>with lower fat content</td>
<td></td>
</tr>
<tr>
<td>Brand</td>
<td>Haldiram’s</td>
<td>The chips had a higher fat content</td>
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<tr>
<td>Claim</td>
<td>The chips are crisper and lighter</td>
<td>(37 per cent) than the 15-35 per cent range stipulated in the Standards.</td>
</tr>
<tr>
<td>Fact</td>
<td>with lower fat content</td>
<td></td>
</tr>
<tr>
<td>Brand</td>
<td>Balaji potato chips</td>
<td>Least oil for your healthy heart</td>
</tr>
<tr>
<td>Claim</td>
<td>Least oil for your healthy heart</td>
<td>The fat content was 38 per cent which was more than the limit.</td>
</tr>
<tr>
<td>Fact</td>
<td></td>
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</table>

**Claims vs Facts**

**Pepsi Foods** said the salt content in Lays and Uncle Chips is optimised based on extensive consumer testing and the level is based on consumer preferences. Still, keeping in mind its commitment to consumers, the company is developing a low-sodium variant.

The manufacturers of Samrat, Induben Khakhrawala (C.G. Road), Camy and O.K. potato chips and Samrat, Sree Ram, Jalsa and Induben (Mithakhali) banana chips did not respond till the time of going to press.

**Thanks**

Our thanks to Dr. V.S. Krishna, National Centre for Human Settlements Environment, Bhopal; Cdr J.E. Gomes, Goa; Consumer Forum, Chandigarh; Dr. Shakuntala Narasimhan, Bangalore; Tamil Nadu Rural Urban Consumer Protection Society, Cuddalore; Dr. T. Balachandran, Cochin; Consumer Protection and Research Society, Delhi; and Federation of Consumer Organisations, Duttsa, for market share information on chips.

**Addresses of Manufacturers**

Balaji Wafers Pvt. Ltd. — Survey No. 19, Vajd (Vad), Kalawad Road, Dist. Rajkot - 360003
Haldiram’s — Kasana Foods Pvt. Ltd., Bhandara Road, Nagpur - 440008
Sushma — Shushma Namkeen Pvt. Ltd., Tajpur Road, Sarkhej-Bavla, Highway, Changodar, Dist. Ahmedabad - 382210
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