



PEA STARCH LN 30, THE SLOWLY DIGESTIBLE STARCH TO FUEL ACTIVE LIFESTYLES

PEA STARCH LN 30

Pea starch LN 30 is a starch from sustainable yellow pea, that offers a good source of energy, to fuel their active lifestyle while managing blood glucose levels. Active consumers are constantly looking for foods that provide them with the energy they need. Those consumers are becoming ever more demanding regarding food and snacks that can support their busy lifestyles. And health-driven consumers want carbs that are good for them with low glycemic response and they actively look for alternatives to simple sugars in their diets. To respond to those market needs, Roquette has developed Roquette pea starch LN 30, the new starch from sustainable yellow pea designed to fuel active lifestyles while managing blood glucose levels.

PEA STARCH LN 30 IN A GLIMPSE

Pea starch LN 30 is a plant-based ingredient from sustainable yellow pea designed to fuel active lifestyles while managing blood glucose levels. This plant-based ingredient is suited for active nutrition applications that come in powder shake and snack bar formats. Roquette digestibility analysis shows that this unique pea starch is slowly digested and might offer a sustained and easily available energy to perform for longer. Thanks to this specific digestibility profile, Roquette pea starch LN 30 may also have a low impact on blood glucose response, as demonstrated by human clinical trials conducted by Roquette.

NUTRITION

- ✓ 90% of digestible starch
- ✓ 10% fibers (resistant starch)
- ✓ Sugar-free
- ✓ Slowly digested ^{1,2}
- ✓ Low Glycemic Index ^{1,3} : 23
- ✓ 3.2kcal/g

TASTE AND TEXTURE

- ✓ Neutral taste (no sweetness)
- ✓ Suitable for cold applications
- ✓ White color
- ✓ Bulking agent

CLEAN LABEL

- ✓ Plant-based
- ✓ From sustainable yellow peas
- ✓ Simply labeled as “Pea Starch”
- ✓ Non-GMO
- ✓ Not a major allergen ⁴

HEALTH BENEFITS

- ✓ Low impact on blood glucose ¹ (clinical studies)

Product Information

- Labeling: Pea starch⁵
- Non-GMO
- Not a major allergen⁴

Pea starch LN 30 is available in Canada, USA and EU28.



1. Potential health claims, subject to regulatory approval before B2C communication

2. Digestibility proven by Roquette in vitro testing

3. Low glycemic index is defined by ISO 26642 as being less than 55

4. Due to some rare reported allergic reactions to peas (and their derived products), we strongly suggest to our customers (Food producers) to list the botanical origin of their pea-derived products in their ingredient statements.

5. Subjected to local laws and regulations

PEA STARCH LN 30, THE SLOWLY DIGESTIBLE STARCH TO FUEL ACTIVE LIFESTYLES

DEFINITION OF SLOW DIGESTIBLE STARCH

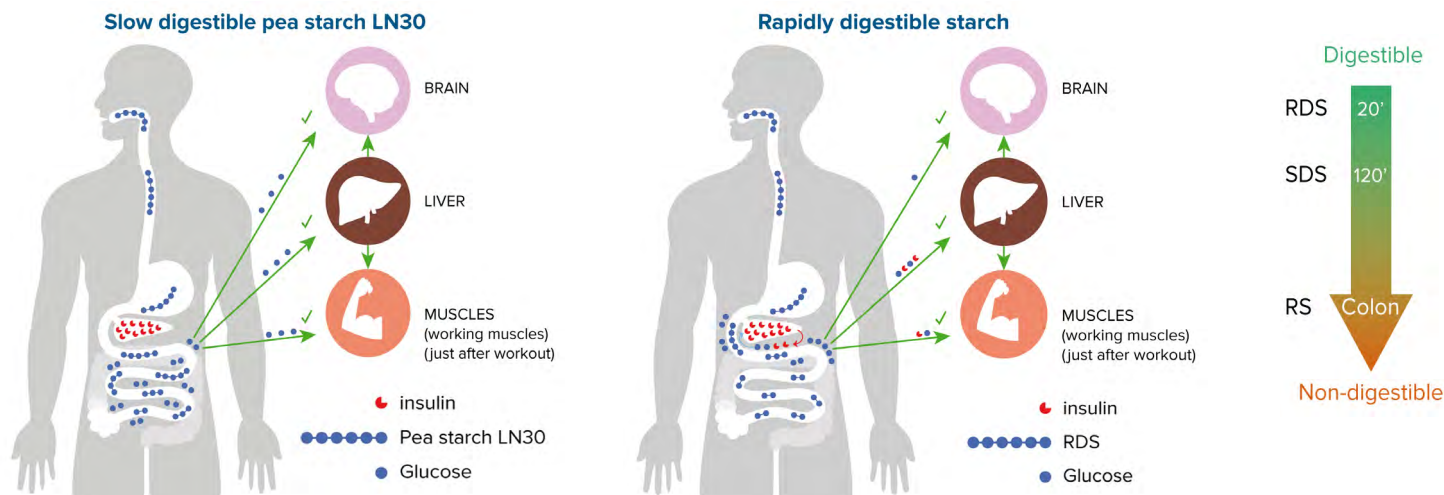
SDS, RDS and RS

Three categories of starches can be identified:

- ✓ **Rapidly digestible starch** - RDS - digested in the duodenum and jejunum (alpha-amylase) within 20 minutes⁶
- ✓ **Slowly digestible starch** - SDS - digested between 20 minutes⁶ and 2 hours in jejunum and ileum
- ✓ **Resistant starch** - RS - digested in the intestine over 2 hours⁶. Inside this RS fraction there is a small fiber portion⁷ that will be fermented in the colon.

⁶ H.N.Englyst, S.M. Kingman and J.H. Cummings (1992)

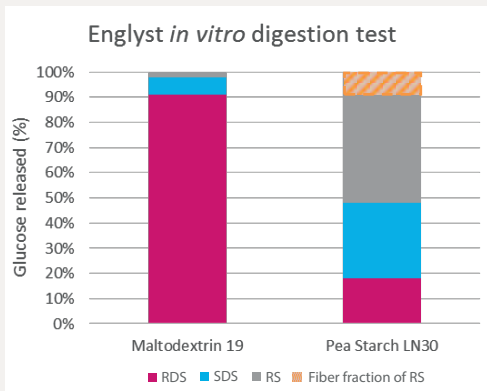
⁷ mMeasured by the AOAC 2002.02 methodology



A SPECIFIC DIGESTIBILITY PROFILE WITH POTENTIAL HEALTH BENEFITS

NUTRITION

- ✓ Slow digestible profile
- ✓ Lower content of rapidly digestible starch vs maltodextrin

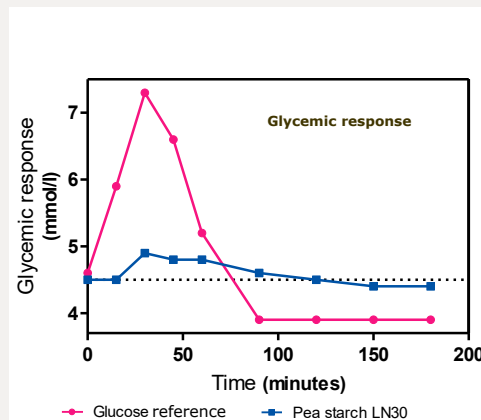


H.N. Englyst, S.M. Kingman and J.H. Cummings (1992)
 RDS: Rapidly Digestible Starch
 SDS: Slowly Digestible Starch
 RS: Resistant Starch incl. fiber fraction

HEALTH BENEFITS

- ✓ Low Glycemic index*: 23 ± 6.6

*Potential health claims, subject to regulatory approval before B2C communication. Low glycemic index is defined by ISO 26642 as being less than 55



Oxford Brookes University, Dec. 2019, 13 volunteers, 35y. old ± 10, consumption of 25g of available carb

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