

Patent Dossier Natural Royal Icing and Fondant

SprinklesFit | Dra. Tharcilla Pereira

Patent Application No. BR1020240165705

Executive Summary

This invention refers to a powdered formulation for 100% natural royal icing and fondant, free from sugar, gluten, lactose, and animal ingredients. It is suitable for both human and pet-friendly applications and delivers elasticity, shine, structure, and fast drying without the use of egg whites or synthetic additives. The formulation is patent pending and already validated in the Brazilian market through two brands: SprinklesFit (human) and SprinklesPet (pet).

Problem Solved

This technology addresses the absence of truly natural and inclusive confectionery options. It serves:

- Over 79 million vegans worldwide
- Approx. 1% of the global population with celiac disease
- Around 68% of adults with lactose intolerance
- Millions of children with cow milk protein allergy (CMPA)
- 60% of people seeking healthy, clean-label food options

The formula also allows full customization: it can be flavored, colored (naturally), or sweetened according to need.

Applications and Markets

- Health-conscious confectionery (vegan, diabetic-friendly, allergen-free)
- Gourmet pet bakery
- Pediatric nutrition and decoration

- Powdered ingredient industry
- Hospital and elderly dietary solutions

Technical Advantages

- 100% plant-based (vegan)
- No added sugar, gluten or lactose
- Industrial shelf-stable powder
- Accepts natural coloring and flavoring
- Fast drying, shiny finish, forms peaks
- Compatible with human and pet-safe manufacturing
- Fully customizable and scalable

Legal and Commercial Status

- Patent filed in Brazil: BR1020240165705 (priority until 08/2025)
- Application covers composition and process
- Commercialized via SprinklesFit and SprinklesPet
- Ready for licensing, co-development or full acquisition

Inventor

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Developer of innovative allergen-free, natural food solutions

Next Steps

The technology is available for:

- International licensing
- Industrial co-production partnerships
- Acquisition of intellectual property

Contact

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