



# **Overview of CORESTA activities for nicotine pouches**

**IIVS 9<sup>th</sup> Workshop**

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# CORESTA Mission, Vision and Strategy

- CORESTA (Centre de Coopération pour les Recherches Scientifiques Relatives au Tabac / Cooperation Centre for Scientific Research Relative to Tobacco) is a non-profit organization created in 1956 governed by French law.
- **MISSION** is to promote and facilitate international cooperation and best practices in scientific research relative to tobacco and its derived products.
- **VISION** is to be recognized by our members and relevant external bodies as an authoritative source of publicly available, credible science and best practices.
- To date, there are 171 members in CORESTA from 43 countries.

CORESTA Full Members are organizations (companies, institutes, laboratories, associations) having R&D activities related to tobacco or its derived products (including e-vapor products), whether in the plant field (agronomy, breeding, phytopathology) or in the fields of manufacturing, chemistry, metrology, or materials (paper, filters, aerosols, etc.).

- **Update on ongoing activities for nicotine pouches**
  - **NPSQ - Nicotine Pouches Safety and Quality Guidance**
  - **TTPA - Tobacco and Tobacco Products Analysis**
  - **NGTX - 21st Century Toxicology for Next Generation Tobacco and Nicotine Products (IVT - In Vitro Toxicity Testing)**



# NPSQ Nicotine Pouches Safety and Quality Guidance Task Force

- **Objective:**

- To develop a CORESTA Technical Guideline (CTG) for nicotine pouches describing quality and safety related best practices (project no 365).
- This Technical Guideline will identify analytical methodologies that are appropriate for testing nicotine pouches. It is meant to provide guidance when there are no applicable regulations in a specific country; it is not meant to supersede any country-specific regulations.
  - Three work streams are currently drafting the CTG.
- Timeline: Draft 1 in Spring 2024.



# TTPA Tobacco and Tobacco Products Analysis

## CORESTA Nicotine Pouch Reference Products (project 372)

- Two different nicotine pouches will be made
- Production during Q1-2024
- TTPA characterization during 2024
- Estimated availability as reference product in 2025

## Initial characterization study by TTPA:

- Nicotine
- pH
- Moisture (oven volatiles)
- Water activity
- Nicotine impurities and degradants
- Carbonyls
- Arsenic and cadmium
- TSNAs
- B[a]P

Product	Product Type	Nicotine (mg/pouch)	Moisture (%)	pH	Portion Weight (grams)
NP1	Dry granulated/powder	6	2.7	8.3	0.4
NP2	Moist fiber-based	10.9	48	8.6 – 9.0	0.7

This study will serve as the basis for annual stability studies (similar to oral tobacco based CORESTA Reference Products (CRP))



# NGTX - 21st Century Toxicology for Next Generation Tobacco and Nicotine Products

- **Included in Task Force 2-year and 5-year plans**

- Oral nicotine products: guidance documents and best practices for toxicology testing models.
  - Activities:
    - 2023: Initial survey complete, comparing current methods for pouch extraction, maximal worst case vs. consumer usage; includes extraction time, extraction volume, temperature, solvent used, etc.
    - 2024: Follow up outcome of survey and start drafting “best practices document”
    - Potential experimental “ring trials” using new reference products will be in collaboration with IVT.