

Research and Production Center for Environmental Monitoring (RACEM)

KIROV



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RACEM is a new, state-of-the-art commercial laboratory providing analytical services for product development and quality control to a growing plant based natural products industry and the agricultural sector in the Kirov Region.

The Research and Production Center for Environmental Monitoring (RACEM), Kirov was envisioned and created by former weapons scientists of the Russian Federation in order to redirect their talents and efforts to sustainable, civilian research and development activities.

The Center currently focuses on providing services to regional manufacturers of plant based natural products and companies processing and supplying agricultural commodity and food products. The Kirov region is rich in forest resources, including coniferous trees, unique medicinal plants, herbs, fruits and berries, etc. and the region is transitioning from the traditional lumber-based forestry to the production of novel plant based natural products for various applications. More recently, the Kirov region has seen an intensive resurgence of production, processing and sale of agricultural commodity and food processing industries. This new sector is characterized by significant

investment made by the Kirov regional manufacturers to improve the quality of finished products, and guarantee safety and environmental friendliness, thus optimizing market competitiveness. This creates unique opportunities for RACEM to offer the following services:

- > Product development and novel production technologies;
- > Product composition analysis;
- > Quality control, including analytical services for potential chemical and microbiological contamination; and
- > Ecotype assessment of plant collection areas in the region to ensure the quality of the products; and
- > Quality assessment of agricultural commodity and food products in the Kirov region and certification for safety, quality and environmental friendliness.

In the near future, RACEM will be expanding its services to include:

- > Environmental monitoring in the Kirov region;
- > Development of innovative environmental protection technologies and environment friendly, sustainable technologies for waste processing;
- > Production technologies for novel medical and veterinarian plant-based bio-drugs.

RACEM has already established newly renovated chemical and microbiological laboratories with state-of-the-art analytical equipment through a grant from the BioIndustry Initiative (BII).

RACEM offers access to a growing plant based natural products industry in the Russian Federation and welcomes collaborative opportunities with western industry.

