



PT PULAU SAMBU

DOC : PS-ALL-RMS-012

REV : 04

DATE : 01.08.2022

TITLE

RAW MATERIAL SPECIFICATION

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RAW MATERIAL : NITROGEN GAS

DESCRIPTION :

Nitrogen as food additive is ruled in the Code of Federal Regulations (CFR). Functional use in foods: *Gas* : air and oxygen displacer; propellant and aerating agent; *liquid* : direct-contact freezing agent.

STANDARD REQUIREMENT :

1. Assay : Not less than 99.0% of N₂, by volume
2. Carbon Dioxide : No Taste
3. Carbon Dioxide : Not more than 0.03%, by volume
4. Carbon Monoxide : Not more than 10 ppm, by volume
5. Oxygen : Not more than 0.1%, by volume
6. Water : Passed test

COMPOSITION INFORMATION

Chemical Name : N₂ (Formula wt 28.01)
INS : 941
CAS : 7727-37-9

REGULATORY INFORMATION

1. Nitrogen belongs to substances "*generally recognized as safe*", as per CFR Title 21, Part 184, Paragraph 1540 "*Nitrogen*" (in short: 21 CFR 184.1540)
2. Food Chemical Codex (FCC), Last modification (as of December 2004): FCC 5th Edition, 2003 (ef. Table 2)

PREPARED BY:

REVIEWED BY:

APPROVED BY:

NAME : Nola Yulia Kasuma

POSITION : QA AMGR

DATE : 01.08.2022

NAME : Yoppi Irawan

POSITION : Production MGR

DATE : 01.08.2022

NAME : Reynald Alex

POSITION : GM

DATE : 01.08.2022