

AUTHENTICATED REGISTER OF APPROVED PROTOCOLS AS MEANT IN THE  
'NAL AUTHORIZATION-AGREEMENT'

ANNEX OF THE NAL-CERTIFICATE Reg.nr. 78777  
ISSUED BY NAKTUINBOUW D.D. 23 JUNE 2019  
TO: NUNHEMS USA INC.

TESTS:

Sampling

- Seeds

Seed Analysis

- Germination tests
- Determination of moisture content
- Determination of other seeds by number
- Determination of physical purity
- Determination of seed weight
- Vitality tests

Seed Health

**Bacteria**

*Acidovorax citrulli* in Cucurbitaceae seeds  
*Clavibacter michiganensis* subsp. *michiganensis* in tomato seeds  
*Pantoea ananatis* in onion seeds  
*Pseudomonas syringae* pv. *porri* in onion seeds  
*Xanthomonas axonopodis* pv. *allii* in onion seeds  
*Xanthomonas* spp. (*Xanthomonas gardneri*, *Xanthomonas euvesicatoria*, *Xanthomonas perforans* and *Xanthomonas vesicatoria*) in tomato seeds  
*Xanthomonas hortorum* pv. *carotae* in carrot seeds

**Fungi**

*Alternaria dauci* in carrot seeds  
*Alternaria radicina* in carrot seeds  
*Botrytis aclada* in onion seeds  
*Stemphylium vesicarium* in onion seeds

**Virus**

Cucumber Green Mottle Mosaic Virus (CGMMV) in Cucurbitaceae seeds  
Melon Necrotic Spot Virus (MNSV) in Cucurbitaceae seeds  
Pepino Mosaic Virus (PepMV) in tomato seeds  
Squash Mosaic Virus (SqMV) in Cucurbitaceae seeds  
Tobamovirus in tomato seeds

ROELOFARENDVSVEEN,  
5 SEPTEMBER 2019



DR. M. BRUINSMA  
COORDINATOR NAL

ONLY VALID WHEN STAMPED AND PROVIDED WITH AN ORIGINAL SIGNATURE