

08/11/2018 Reference H2094

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Global Proficiency Ltd for AsureQuality Ltd,
Ruakura Research Centre, 10 Bisley Road,
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To whom it may concern,

Advion Ant Gel

- Product description: pesticide, insecticide ant control
- Product use: for cockroach crack & crevice application in situations in directions for use (domestic, commercial, farms, food factories, hospitals, homes, kitchens, offices, restaurants, retail stores etc)

"Passed AsureQuality assessment for food/beverage/dairy farm & factory type B no food contact - for food area crack & crevice application or outside the area H1955" with conditions. This assessment was prepared by Global Proficiency Ltd using HACCP principles to determine equivalence with food standards listed below. See <http://assessedproducts.asurequality.com>. This supports food Risk Management Programmes & other endorsements that may apply to this product include MPI regulated farm dairy approval, MPI dairy factory endorsement, MPI regulated non-dairy animal product approvals, EPA HSNO-OSH-environment approval (& previously AQIS).

Conditions:

- Used per instructions, legislation, & GMP, type B with no food contact - food area crack & crevice application or outside the area.
- Use per a control programme where applicable & where use does not create a nuisance.
- The assessment is subject to notification of change and expires on 08/11/2023.
- The full report is attached for supplier review and verification. The assessment is activated by countersigning & inclusion of assessment precautions / assessment statement / MPI dairy statement

Prepared by Global Proficiency for AsureQuality Ltd by
Bob Hutchinson PhD SENIOR DEVELOPMENT SCIENTIST.



Supplier:..... Date:.....

Scope and purpose of the assessment:

- Asurequality assessment is a non-regulated, voluntary, and evidential certification by the supplier demonstrating equivalence with food safety standards, and also that product instructions address hazards for staff & equipment. The assessment is independently confirmed, without prejudice or guarantee, using information submitted by the supplier or from other sources. Confidentiality of the product formulation is maintained using coded **material identifiers** in the report, and appendices containing confidential information are provided only to the supplier.
- Scope: NZ checks (NICNAS AICS. FSANZ, US FDA 21 CFR/ NSF, Food Chemicals Codex, EPA NZ, EU, French culinary listings or related data for equivalent safety). NZ background (Animal Products Act, Risk Management Programmes. Detergent & Sanitiser Manufacturer's Code of Practice, Detergent & Sanitiser Standards and Analytical Methods. Quality Manual - Assessment Procedures

Summary of assessment with any risks highlighted:

- Prior registrations (Regulatory (NZFSA approved D non-dairy animal product. AgriQuality for food beverage dairy non-contact (like) crevice control. Approved HSNO act HSR007806).
- Food safety (is by non-contact & lists for permitted pesticides actives etc. Purity & residue carryover are not necessarily required for non-contact).
- QA (ISO 9000 series certification etc n/a for non-contact).
- QC (Chemistry n/a for non-contact and micro safety is by preservative / formulated chemicals).
- Instructions –
 - Label (Syngenta Advion, Ant Gel. Warning keep out of reach of children. Insecticide 0.5 g/kg Indoxacarb as gel. Approved HSNO act HSR007806. Company & emergency contacts. Read label & use as directed. HSNO 9.4c harmful to terrestrial invertebrates. . .Precautions, Storage & disposal, First aid spills. Resistance management. Environment. General (major species include Argentine & Pharaohs ants). Directions (Can be used indoors or outdoors as a crack & crevice or spot treatment in residential, commercial, & industrial buildings, farms, food handlers, factories, warehouses, supermarkets, hospitals, schools, homes. office, restaurants, retailers, hotels, motels, store rooms, transport etc. Avoid surfaces recently treated with residual sprays). Restraints (Not on surfaces regularly washed, non-contact for food, livestock, feed or water. Food & packaging removed from room. Not on food/contact surfaces or surfaces >50C etc. Used indoors or out. Indoor use details...Application in food/ feed/ handling areas etc. are broadly described and use is only as a crack or crevice control e.g. dispenser tip 1cm into cracks, crevices, holes, similar openings where ants are found or re-entering. NZFSA approved D non-dairy animal product. AgriQuality... for food beverage dairy non-contact (like) crevice control. Outdoor use details... Panel completed for situations/ pests (major pests listed. Compatibility, storage, safety, & disclaimer.
 - SDS (Company & product identifiers. Hazards 9.4C harmful to terrestrial invertebrates. Composition (Indoxacarb 0.05%). First Aid. Lists for Fire, Accident, Handling, Exposure controls (not set), Properties. Stability. Toxicology. Toxicology (per hazards + not mutagenic carcinogenic or reproduction effect), Ecology, Transport & Regulatory ((HSR007806).). Efficacy data sighted "Efficacy of formulations in laboratory tests for control of red imported fire ant colonies PRO68231 final report 27-01-07 by DF Williams...100% mortality of workers, 99.3% reduction in brood volume and death of all queens.
- Unwanted effects (Covered by label & SDS. Production side effects ok by non-contact & refer to residues vs MRLs in table etc).
- Efficacy (Is expected from the registrations of the active and efficacy report for fire ants)

Contents (This is a simplified report with sections 2-11 replaced by a summary on p1 and in the table in section 1)

0 Information is to be evidential (standard 0).	1 Materials safety and residues etc.
2 Material (other – function)	3 Quality assurance certificate
4 Purity (or Design, formulation, fabrication and finish).	5 Instructions
6 Freedom from apparent side effects	7 Efficacy or hygiene to meet food safety margins
8 Packaging safety.	9 Summary of submitted information etc.
10 Standards/References - front page/may be attached	11 Contacts.
12 Confidential information re design, formulation etc.	13 Covering letter & then 14 Raw material confidential information

Risk Rating (failure/accident)

	Chemical	Microbiological
Incidence	Low	Low
Susceptibility	Low	Low
Severity	Low	Low
Total	Low	Low

Organics

For organic production when food is absent during use and residues are rinsed etc. Reference NZS8410 Organic Production section 10 Storage, transport, preparation and handling. 10.1.2 Where the premises vehicles and equipment are used solely for organic products: (a) Only those substances used in table D1 shall be used for housekeeping purposes in the presence of the product (note that product absence is already a requirement of this assessment). If other materials are used for cleaning, surfaces that could come in contact with organic products shall be flushed with potable water prior to re-entry of organic products, and any airborne substance dispersed. (b) If there are products of more than one organic status (e. g. organic and in conversion to organic), the requirements of 10.1.3 shall be followed as if the higher status organic product were in the presence of products not complying with this standard. 10.1.3 (Note that If not dedicated to organics then the plan must state how there is no non-organics inclusion including “sealing, labelling, documentation”).

Evaluation: Note that Standards vs. submission-responses yield compliance status in each of the sections below.

Nature of information

0 Standard: Assurance information is to be evidential/cross-registered/or ex accredited bodies (and approvals may need levels of independence for toxicity and efficacy).

- Prior registrations (Regulatory (NZFSA approved D non-dairy animal product. AgriQuality for food beverage dairy non-contact (like) crevice control. Approved HSNO act HSR007806).

Raw materials:

1 Standard:

Raw materials are to be identified safe: traceably identified, non-toxic, and pure - depending on the level of contact. Raw materials are to be safe at residue levels with safety factors (simplified here eg per cross-registration of USFDA 21 CFR/ ANZF/ EU etc registrations factored for likely equivalence and recognising high 1.5 L milk consumption would have been required by FDA etc – refers to supplier confidential appendix but with identifiers excluded

Response

(Syngenta Crop Protection Limited) Advion Ant Gel H2094 08-11-2018	Registrations column. Scope: NZ checks (NICNAS AICS/EPA NZ, FSANZ, US FDA 40 /21 CFR/ NSF, Food Chemicals Codex, EU, French culinary listings or related data for equivalent safety). NZ background (Animal Products Act, Risk Management Programmes. Detergent & Sanitiser Manufacturer's Code of Practice, Detergent & Sanitiser Standards and Analytical Methods, & Quality Manual - Assessment Procedures	Purity column Scope: Purity column raw purities to be per FSANZ purity wanted (as ingredient etc) FCC7 2010-2011 with GMP indicators & FSANZ also (require Pb<2, As<1, Heavy metals <40 mg/kg). Purity column.
HACCP vs instructions	Label (Syngenta Advion, Ant Gel. Warning keep out of reach of children. Insecticide 0.5 g/kg Indoxacarb as gel. Approved HSNO act HSR007806. Company & emergency contacts. Read label & use as directed. HSNO 9.4c harmful to terrestrial invertebrates. . .Precautions, Storage & disposal, First aid spills. Resistance management. Environment. General (major species include Argentine & Pharaohs ants). Directions (Can be used indoors or outdoors as a crack & crevice or spot treatment in residential, commercial, & industrial buildings, farms, food handlers, factories, warehouses, supermarkets, hospitals, schools, homes. office, restaurants, retailers, hotels, motels, store rooms, transport etc. Avoid surfaces recently treated with residual sprays). Restraints (Not on surfaces regularly washed, non-contact for food, livestock, feed or water. Food & packaging removed from room. Not on food/contact surfaces or surfaces >50C etc. Used indoors or out. Indoor use details...Application in food/ feed/ handling areas etc. are broadly described and use is only as a crack or crevice control e.g. dispenser tip 1cm into cracks, crevices, holes,	Panel completed for situations/ pests (major pests listed. Compatibility, storage, safety, & disclaimer. SDS (Company & product identifiers. Hazards 9.4C harmful to terrestrial invertebrates. Composition (Indoxacarb 0.05%). First Aid. Lists for Fire, Accident, Handling, Exposure controls (not set), Properties. Stability. Toxicology. Toxicology (per hazards + not mutagenic carcinogenic or reproduction effect), Ecology, Transport & Regulatory ((HSR007806).). Efficacy data sighted "Efficacy of formulations in laboratory tests for control of red imported fire ant colonies PRO68231 final report 27-01-07 by DF Williams...100% mortality of workers, 99.3% reduction in brood volume and death of all queens.

	similar openings where ants are found or re-entering. NZFSA approved D non-dairy animal product. AgriQuality... for food beverage dairy non-contact (like) crevice control. Outdoor use details...	
HACCP checklist vs other aspects	Prior registrations (Regulatory (NZFSA approved D non-dairy animal product. AgriQuality for food beverage dairy non-contact (like) crevice control. Approved HSNO act HSR007806). Food safety (is by non-contact & lists for permitted pesticides actives etc. Purity & residue carryover are not necessarily required for non-contact). QA (ISO 9000 series certification etc n/a for non-contact). QC (Chemistry n/a for non-contact and micro safety is by preservative / formulated chemicals)	Unwanted effects (Covered by label & SDS. Production side effects ok by non-contact & refer to residues vs MRLs in table etc). Efficacy (Is expected from the registrations of the active and efficacy report for fire ants)
Formulation 100%.		
Raw 1 Active Ingredient	NZIoC search unreturned? AICS unreturned. ECHA Annex 6 report sighted. EPA designation "reduced risk" USMRLs 40CFR180.565 indoxacarb cattle fat 1.5 ppm, milk 0.15ppm, milk fat 4 ppm. NZFSA brassicas 0.5ppm, head lettuce 1ppm, pome fruits 0.5 ppm, ACVM Steward approval is for vegetables, for apples, pears and grapes. Brassicas to 0.5 ppm, lettuce 1ppm, pome fruits 0.5 ppm, and no entry for animals/milk. USAFDA Toxicity summary w/o concern 18/07/02, 40CFR part 185 food not found?	Codex 0.1, & milk fats 1 mg/kg and long list. Purity wanted (per column header). Purity found (Sufficient to ensure active level & otherwise not found or required)
Raw 2-9 inert ingredients listed	FDA 21 CFR & FSANZ Food Standards Code 1.3.1 direct food additives	Purity n/a for non-contact
pH & pathogen implications are n/a here	pH growth ranges: B cereus 4.4-9.3, Campylobacter jejuni 4.9-9.0, C botulinum A & B 4.8-8.5 type E 5-8.5, C perfringens 5-8.9, Listeria monocytogenes 4.5-8.0, Salmonella 3.8-9,	Staph aureus 4.3-9.0, vibrio cholerae 6-11, vibrio parahaemolyticus 4.8-9, vibrio vulnificus 5-10, Yersinia enterocolitica 4.4-9.6

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- Food safety (is by non-contact & lists for permitted pesticides actives etc. Purity & residue carryover are not necessarily required for non-contact).

12 The formulation in confidence follows & is not for public circulation n/a in this case

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(Syngenta Crop Protection Limited) Advion Ant Gel H2094 08-11-2018	Registrations column. Scope: NZ checks (NICNAS AICS/EPA NZ, FSANZ, US FDA 40 /21 CFR/ NSF, Food Chemicals Codex, EU, French culinary listings or related data for equivalent safety). NZ background (Animal Products Act, Risk Management Programmes. Detergent & Sanitiser Manufacturer's Code of Practice, Detergent & Sanitiser Standards and Analytical Methods, & Quality Manual - Assessment Procedures	Purity column Scope: Purity column raw purities to be per FSANZ purity wanted (as ingredient etc) FCC7 2010-2011 with GMP indicators & FSANZ also (require Pb<2, As<1, Heavy metals <40 mg/kg). Purity column.
HACCP vs instructions	Label (Syngenta Advion, Ant Gel. Warning keep out of reach of children. Insecticide 0.5 g/kg Indoxacarb as gel. Approved HSNO act HSR007806. Company & emergency contacts. Read label & use as directed. HSNO 9.4c harmful to terrestrial invertebrates. . .Precautions, Storage & disposal, First aid spills. Resistance management. Environment. General (major species include Argentine & Pharaohs ants). Directions (Can be used indoors or outdoors as a crack & crevice or spot treatment in residential, commercial, & industrial buildings, farms, food handlers, factories, warehouses, supermarkets, hospitals, schools, homes. office, restaurants, retailers, hotels, motels, store rooms, transport etc. Avoid surfaces recently treated with residual sprays). Restraints (Not on surfaces regularly washed, non-contact for food, livestock, feed or water. Food & packaging removed from room. Not on food/contact surfaces or surfaces >50C etc. Used indoors or out. Indoor use details...Application in food/ feed/ handling areas etc. are broadly described and use is only as a crack or crevice control e.g. dispenser tip 1cm into cracks, crevices, holes, similar openings where ants are found or re-entering. NZFSA approved D non-dairy animal product. AgriQuality... for food beverage dairy non-contact (like) crevice control. Outdoor use details...	Panel completed for situations/ pests (major pests listed. Compatibility, storage, safety, & disclaimer. SDS (Company & product identifiers. Hazards 9.4C harmful to terrestrial invertebrates. Composition (Indoxacarb 0.05%). First Aid. Lists for Fire, Accident, Handling, Exposure controls (not set), Properties. Stability. Toxicology. Toxicology (per hazards + not mutagenic carcinogenic or reproduction effect), Ecology, Transport & Regulatory ((HSR007806).). Efficacy data sighted "Efficacy of formulations in laboratory tests for control of red imported fire ant colonies PRO68231 final report 27-01-07 by DF Williams...100% mortality of workers, 99.3% reduction in brood volume and death of all queens.
HACCP checklist vs other aspects	Prior registrations (Regulatory (NZFSA approved D non-dairy animal product. AgriQuality for food beverage dairy non-contact (like) crevice control. Approved HSNO act HSR007806). Food safety (is by non-contact & lists for permitted pesticides actives etc. Purity & residue carryover are not necessarily required for non-contact). QA (ISO 9000 series certification etc n/a for non-contact). QC (Chemistry n/a for non-contact and micro safety is by preservative / formulated chemicals)	Unwanted effects (Covered by label & SDS. Production side effects ok by non-contact & refer to residues vs MRLs in table etc). Efficacy (Is expected from the registrations of the active and efficacy report for fire ants)
Formulation 100%.		
Indoxacarb Technical Grade CAS 173584-44-6 Active Ingredient (sufficient to provide 0.5 +/- 0.13 g/kg from - Raw 1 Active Ingredient	NZIoC search unreturned? AICS unreturned. ECHA Annex 6 report sighted. EPA designation "reduced risk" USMRLs 40CFR180.565 indoxacarb cattle fat 1.5 ppm, milk 0.15ppm, milk fat 4 ppm. NZFSA brassicas 0.5ppm, head lettuce 1ppm, pome fruits 0.5 ppm, ACVM Steward approval is for vegetables, for apples, pears and grapes. Brassicas to 0.5 ppm, lettuce 1ppm, pome fruits 0.5 ppm, and no entry for animals/milk. USAFDA Toxicity summary w/o concern 18/07/02, 40CFR part 185 food not found?	Codex 0.1, & milk fats 1 mg/kg and long list. Purity wanted (per column header). Purity found (Sufficient to ensure active level & otherwise not found or required)
Raw 2-9 inert ingredients, sucrose CAS 57-50-1 30% raw 2 attractant, dextrose CAS 50-99-7 18% raw 3 attractant, carrageenan CAS 9000-07-1 0.9% raw 4 thickener, sodium chloride CAS 7647-14-5 0.3% raw 5 attractant, potassium sorbate CAS 24634-61-5 0.03% raw 6 preservative, sodium benzoate CAS 532-32-1 0.03% raw 7 preservative, acetic acid 5% dist white vinegar 5% acidity CAS 64-19-7 0.1% raw 8 pH control, & water CAS 7732-18-5 50.50% solvent diluent.	FDA 21 CFR & FSANZ Food Standards Code 1.3.1 direct food additives	Purity n/a for non-contact
pH & pathogen implications are n/a here	pH growth ranges: B cereus 4.4-9.3, Campylobacter jejuni 4.9-9.0, C botulinum A & B 4.8-8.5 type E 5-8.5, C perfringens 5-8.9, Listeria monocytogenes 4.5-8.0, Salmonella 3.8-9,	Staph aureus 4.3-9.0, vibrio cholerae 6-11, vibrio parahaemolyticus 4.8-9, vibrio vulnificus 5-10, Yersinia enterocolitica 4.4-9.6

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Ruakura Research Centre, 10 Bisley Road,
Enderley, Hamilton 3241, P O Box 20474
Hamilton

Dear Craig Hall,

Please find attached your assessment report for any questions or suggestions and the invoice and later the web listing should follow. Thank you for the data supplied.

Advion Ant Gel

- Product description: pesticide, insecticide ant control
- Product use: for cockroach crack & crevice application in situations in directions for use (domestic, commercial, farms, food factories, hospitals, homes, kitchens, offices, restaurants, retail stores etc)
- Status: passed renewed AsureQuality assessment for farm & factory use renewed \$280 for 1:45 hours O/N -

"Passed AsureQuality assessment for food/beverage/dairy farm & factory type B no food contact - for food area crack & crevice application or outside the area H1955" with conditions. This assessment was prepared by Global Proficiency Ltd using HACCP principles to determine equivalence with food standards listed below. See <http://assessedproducts.asurequality.com>. This supports food Risk Management Programmes & other endorsements that may apply to this product include MPI regulated farm dairy approval, MPI dairy factory endorsement, MPI regulated non-dairy animal product approvals, EPA HSNO-OSH-environment approval (& previously AQIS).

Conditions:

- Used per instructions, legislation, & GMP, type B with no food contact - food area crack & crevice application or outside the area.
- Use per a control programme where applicable & where use does not create a nuisance.
- The assessment is subject to notification of change and expires on 08/11/2023.
- The full report is attached for supplier review and verification. The assessment is activated by countersigning & inclusion of assessment precautions / assessment statement / MPI dairy statement

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