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|-----------------------------|---|---------------------------------|---------------------------------|
| Name | AGFS - Rice bran fibres specimen transfer to CMM facility | Managed (Current) Rating | Target (Residual) Rating |
| | | Low | Low |
| Location | St Lucia (01) | | |
| Location Category | Facility - Laboratory | | |
| Business Unit | | Last Review Date | Risk Owner |
| | Agriculture and Food Sustainability | 16/02/2024 | Yadav K C |
| Risk Assessment Team | | Risk Approver | |
| | | Sangeeta Prakash | |
| Additional Notes | | | |
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| Describe task / use | | | |
| | <p>Transfer of specimen to CMM for microscopy (Chemistry Building 68 Level 2, CMM Wing). The specimens are cellulose based fibres from rice bran. The samples do not contain any chemicals or other additives. Cellulose is Generally Recognized As Safe and the fibres do not originate from GMO plants. For SEM: 2 mL of suspensions of fibres in distilled water, in tightly closed labelled plastic container, For XRD: 2-3 gm of fibres powder, in tightly closed labelled plastic containers, Both containers will be transported in a rigid container such as a cooler box (eskie) Transport of the samples to CMM labs will be undertaken on a weekly basis.</p> | | |

Risk Factors

| Risk Factor | Biological |
|--|---|
| Description | |
| <p>Accidental released of Rice Bran Fibres into the environment (indoor and outdoor)</p> | <ul style="list-style-type: none"> • Allergic reaction to plant, animal or insect -- No • Anaphylaxis -- No • Animal - attack, scratch or bite -- No • Biological particulates (e.g. mould, spores) -- No • Biological waste -- No • Food poisoning/contamination, poor food handling practices -- No • Genetically Modified (GM) organism or microorganism -- No • Human blood/body fluids/tissues -- No • Infectious animal diseases (zoonose) -- No • Infectious microorganisms/diseases -- No • Lab animal allergy -- No • Needle stick or sharps injury -- No • Poison, toxin or venom from animal, insect or plant -- No • Spill/splash -- Yes • Transporting biological material -- No • Unintentional release -- No |

| Low | Low | | |
|---|---------------------------|----------------|-------------|
| Existing Controls | Proposed Controls | | |
| <ul style="list-style-type: none"> • 1 - Elimination: The sample consists of materials considered as non-hazardous and non-dangerous. • 4 - Engineering: Samples are double contained. First container will consist of plastic vial, second container is a rigid plastic container such as cooler box • 5 - Administration: In case of accidental breakage of both container, paper towel and water can be used to contain and clean the spill. Care must be taken if plastic shards are present, in this case, use dust pan and broom to clean the spill. | Description | Responsibility | Target Date |
| | <p>No Control:</p> | | |
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Appendix

Risk Matrix Level

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|---------|--|
| Low | Task can proceed upon approval of the risk assessment by relevant Line Manager or supervisor is received. |
| Medium | <p>Task can proceed upon approval of the risk assessment by relevant Line Manager or Supervisor is received.</p> <p>It is recommended that a plan is developed to reduce the risk within a reasonable timeframe.</p> |
| High | Task can only proceed in extraordinary circumstances and provided there is authorisation by relevant Head of Function and a plan is in place to promptly reduce the risk to an acceptable level. |
| Extreme | Task must not proceed. Appropriate and prompt action must be taken to reduce the risk to an acceptable level. |