



Sample Collection

Product Manufacturing Certificate

Certificate of Analysis

3M Product: 3M™ Environmental Scrub Sampler Stick with 10mL Wide Spectrum Neutralizer

3M Catalog Number: ESS10WSN

3M Lot Number: 33T8P3

3M Stock Number: 70-2011-9303-7

Chemical and Physical Testing

Parameter	Specification	Pass
Color	Brownish Yellow	Yes
Clarity	Opaque	Yes
Precipitate	None	Yes

Parameter	Specification	Results	Pass
pH	7.2 ± 0.2	7.2	Yes

Microorganism Testing

Survival of Inoculated Organisms*

Log Colony Forming Units/mL

Organism Tested	Time Zero	One Hour	Pass
<i>Escherichia coli</i> ATCC 25922	1.92	1.92	Yes
<i>Listeria monocytogenes</i> ATCC 7644	2.26	2.28	Yes
<i>Salmonella typhimurium</i> ATCC 14028	2.04	2.04	Yes

*Survival of test organisms was evaluated by inoculating low levels of these bacteria into the product and holding @ 4° C for 1 hour.

Neutralization Ability of Medium*

Log Colony Forming Units/mL (One hour after inoculation)

Organism Tested	Neutralizing Buffer	Neutralizing Buffer + QAC	Pass
<i>Escherichia coli</i> ATCC 25922	1.92	2.01	Yes
<i>Listeria monocytogenes</i> ATCC 7644	2.28	2.29	Yes
<i>Staphylococcus aureus</i> ATCC 25923	2.24	2.24	Yes

*Neutralizing ability is evaluated by inoculating low levels of organisms into the product, which has been supplemented with a quaternary ammonium compound (QAC) and holding @ 4° C for 1 hour. The concentration of the QAC used is known to be toxic to the test organisms in media without neutralizing agents.

Terminal Irradiation Processing Parameters

This product has been subjected to Gamma irradiation as a terminal process. The minimum and maximum delivered met established specifications for this product.

This letter certifies that the product described above has been tested and found to comply with 3M's product performance specifications applicable to subject device at time of manufacture. Visit the 3M Food Safety website, www.3m.com/foodsafety for additional information. 3M is certified to ISO 9001 through an independent agency.

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