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Melamine/Bov IgG

Catalog Number: bs-2182PBG
AA Seq: Coupling protein
Tags: N/A
Activity: No
Endotoxin: Not analyzed
Form: Liquid
Storage: 0.01M TBS(pH7.4).
Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: Melamine is combined with formaldehyde to produce melamine resin, a very durable thermosetting plastic used in Formica, and melamine foam, a polymeric cleaning product. The end products include countertops, dry erase boards, fabrics, glues, housewares and flame retardants. Melamine is one of the major components in Pigment Yellow 150, a colorant in inks and plastics.Melamine also enters the fabrication of melamine poly-sulfonate used as superplasticizer for making high-resistance concrete. Sulfonated melamine formaldehyde (SMF) is a polymer used as cement admixture to reduce the water content in concrete while increasing the fluidity and the workability of the mix during its handling and pouring. It results in concrete with a lower porosity and a higher mechanical strength exhibiting an improved resistance to aggressive environments and a longer life-time. The use of melamine as fertilizer for crops had been envisaged during the '50s and '60s because of its high nitrogen content (2/3). However melamine is much more expensive to produce than other common nitrogen fertilizers, such as urea. To be effective as a fertilizer, it is essential that the plant nutrients are released or made available in a manner that matches the needs of the growing crop. The nitrogen mineralization process for melamine is extremely slow, making this product both economically and scientifically impractical for use as a fertilizer.