
Analytical Research Division
Research Directorate

41,
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Analysis/Evaluation of Unmilled White Rice

A shipment designated 10027SSSS was received by the Analytical Research Division from FSTC on 15 December 1983. The sample was also identified with the number LA 831123-7DB. The sample consisted of two sheaves of unmilled white rice (Figure 1) from a typical farming area in Southeast Asia. Information concerning the sample indicated it was a reference sample.


A vapor sample withdrawn from within the Mylar bag containing the rice sheaves was subjected to analysis by gas chromatography/mass spectrometry (GC/MS). Several grains of rice were leached in chloroform. Several others were leached in a 1:1 mixture of methanol:water. The solvent soluble materials were analyzed by gas chromatography/mass spectrometry, ion chromatography (IC), thin layer chromatography (TLC), and infrared spectrometry (IR).

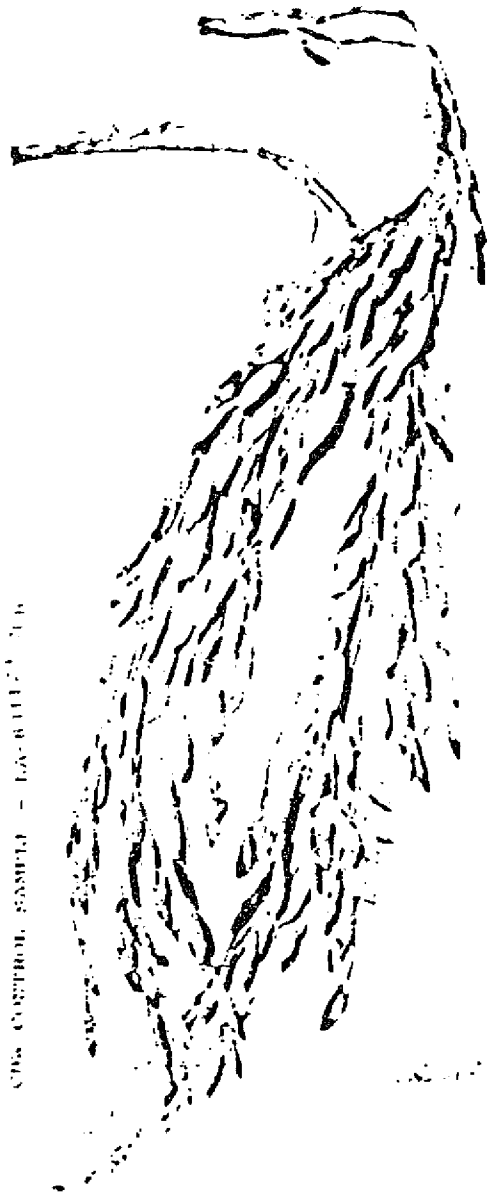
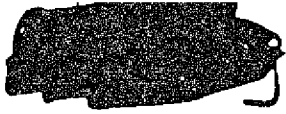
The chloroform solubles gave no definitive GC/MS spectra. No detectable components were separated by TLC. IC separated no ions of interest. Derivatization with negative ion chemical ionization MS detection was negative for trichothecenes. IR spectra identified only the presence of aliphatic hydrocarbons, probably as cellulose.

Conclusions

No evidence of any known CW agents, agent degradation products, or trichothecenes was detected. The sample appears to be innocuous, and thus provides an excellent baseline for similar suspect samples.

Classified by: CIA


Declassify: OADR



COM. CONTROL. SAMPLE - LA-81112-316

10027 SSSS

FIGURE 1

