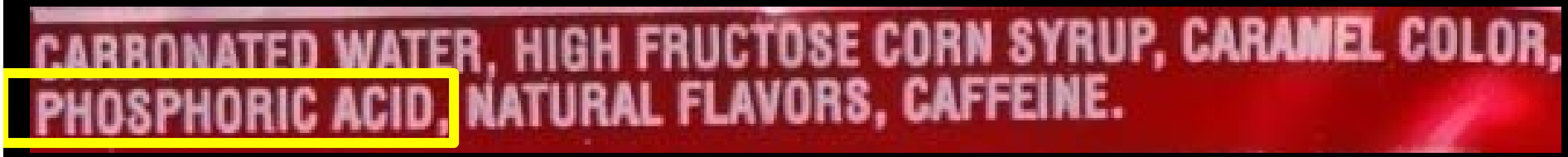
MATERIALS USED FOR MAKING NANO-INDIS™, E.G., TI, TTI, HUMIDITY AND STERILIZATION INDICATORS

EXAMPLES OF MATERIAL USED FOR MAKING NANO-INDIS™

- Have you used an aluminum pan for cooking or aluminum foil for wrapping foods? YES
- Do you know what the potato chip bag and helium balloons are made from? Metallized/aluminum coated plastic films
- Have you read a label of ingredients on a coke can? Not really



- JPL's new nano-TI/TTI are made from **P**hosphoric acid as activator and **A**luminum, as an indicator

TOXICITY OF NANO-INDIS

MATERIALS AND INGREDIENTS USED FOR MAKING NANO-INDIS

- Edible, non toxic or acceptable toxicity, e.g., phosphoric acid, baking soda and salts
- Others approved by the FDA for indirect contact with foods
- Can be disposed off safely in the environment

SUBSTRATES/FILMS

- Metallized polyester (PET) or polypropylene films are used for food packaging
- FDA approved PSA (pressure sensitive adhesive) or coatings/binders
- FDA approved printing inks for printing the information

INDICATORS AND ACTIVATORS

INDICATORS:

- Only one; aluminum (amongst the least toxic metal)

SUBSTRATES:

- Polyester or polypropylene films

ACTIVATORS:

- TTI/TI: Phosphoric acid and alike
- Humidity: Baking soda and alike
- Steam: Common salts and alike

CAN THE INGREDIENTS FOR A DEVICE BE BETTER?

NANO-INDIS™

A REVOLUTION IN INDICATOR TECHNOLOGY

AN INDICATOR TECHNOLOGY MADE FROM FOOD ADDITIVES & NONTOXIC MATERIALS

NANO-CONVERSION TECHNOLOGY

AN IGNORED BUT NOVEL AND UNIQUE FIELD OF NANOSCIENCE

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Nano-Conversion Technology