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Desolventizer Toaster Design Evaluation for Maintenance Reliability

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Lee Honors College Thesis

Department of Chemical and Paper Engineering

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Desolventizer Toaster Design Evaluation for Maintenance Reliability

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Organic solvents are utilized in an extraction process that removes the desired products from raw plant materials. Following extraction, the Desolventizer Toaster (DT) reclaims the remaining solvent to produce a dry spent material for transit. Due to high maintenance costs and downtime associated with this system, alternative solutions will be evaluated to ensure a more reliable and efficient drying system.