

Quality Testing Methods Get Tech Boost

Automated, ML-enabled platform improves LIMS efficiency, frees up the time of resources

A major constraint that Laboratory Information Management Systems (LIMS) implementations at process manufacturing companies such as those into Consumer Packaged Goods (CPG) and life sciences and pharmaceuticals face are the manual extraction and preparation of master data for test methods. Quality professionals struggle with the time and effort involved in pulling out test methods and specification data for standardized tests from various PLM data repositories.



Product testing is more rigorous with zero tolerance for slip-ups because of stricter regulatory oversight and more consumer awareness



decreasing, companies want to reduce costs and improve productivity



Companies want to speedup quality testing to get products to the market faster

Tech Opportunity to Transform Master Data Creation and Extraction

Automation and Machine Learning (ML) technologies now offer CPG, Life Sciences and Pharmaceutical companies new possibilities.



thousands of documents, including images that are part of a company's PLM and automatically process them for LIMS master data.



information and product data can cull out relevant steps for each of the thousands of tests being conducted at a lab.

Capabilities of the Cognitive Data Discovery Platform



components for automated parameterization, summarization of records of test methods, search engine and more **Domain-trained**

Modular platform -

Separate



Follows business needs and data management needs

Configurable

validation rules -



agnostic -

license-based / SaaS pricing

Multiple deployment

and pricing options -

On-premises / cloud,

AI-ML algorithms -Trained in chemistry, spectroscopy, chromatography, packaging and other types of test methods



Understands any template and ingests multiple formats (Such as PDF, DOC and XLS)

Wide coverage of

templates and

formats -



through APIs or file-transfer: compatible with Azure, AWS, GCP and other major cloud platforms



The Challenges it Solves



Enables the

transformation of

difficult-to-use

raw test method data from various data formats



data creation

leverage for master



Facilitates data

transformation

from varying

templates and test

types



complicated and

evolving business

logics



technical

architecture



repository (single

source)

Pharmaceutical companies a head start in LIMS master data creation. Comes with feedback loop to capture new data and further build on its intelligence

Differentiators

How a CPG Giant Benefited from WNS' Platform

■ Advanced technologies – automation tools, natural language processing and AI/ML capabilities ■ Functional superiority – algorithms trained on industry-specific data that gives CPG, Life Sciences and

Background: A global CPG leader deployed the WNS platform for product test methods and specification data extraction and contextualization across 32 sites worldwide.

Scope: The platform has been used for Al-based master data generation. It used 13,000 base

Benefits:



for LIMS master data creation

documents for master data extraction.



90% reduction in

time spent by SMEs and

quality professionals for

60%+ increase in

first-time-right master

data accuracy



cycle time of master data generation

80%+ reduction in

50-90% reduction

in the cost of operations



review and finalization of master data extraction

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