

Quick Facts



Founded	1918	Stock Price	
		Recent Stock Price (02/26/19)	\$59.27
Stock Exchange	NYSE	52 wk High	\$69.91
Ticker	UVV	52 wk Low	\$46.45
Revenues (as of 3/31/18)	\$2.0 в	Common Shares Outstanding	25.0м
Dividend Yield	5.06%	48 years of consecutive annual common stock dividend increases	

Universal Has a Global Footprint

Universal 100 YEARS AmeriNic

Operations in over 30 countries

We are experts in:

- Managing complex, dynamic supply chains
- Procurement
- Processing
- Storage
- Logistics
- Import/Export



Current Nicotine Supply Chain

- Tobacco dust is the raw material used for Nicotine extraction.
- Nicotine extraction units purchase tobacco dust from multiple Beedi scrap processors.
- Gujarat has 140 to 150 Beedi scrap processors.
- Scrap processing produces 9- 10% of tobacco dust.
- Scrap Processors procure tobacco scrap by different ways:
 - Direct from farmers
 - Thru brokers / middlemen.
 - From Cooperative Market yard auction.
- Raw material identity is lost once it reaches the Scrap Processors.
- Traceability of the raw material is not maintained by scrap processors, since it is all managed by small scale units & multiple vendors.





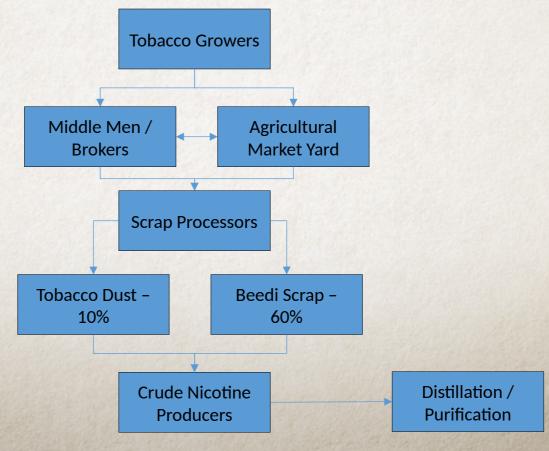
<u>Cooperative</u> <u>Market Yard</u>

Scrap Auctions at Market Yard



Current Nicotine Supply Chain

- Nicotine manufacturers purchase Beedi scrap for extraction.
- Loosely regulated market in India
- No traceability back to the farm
- India government is looking unfavorably at bidi cigarette consumption
- ALP Concerns





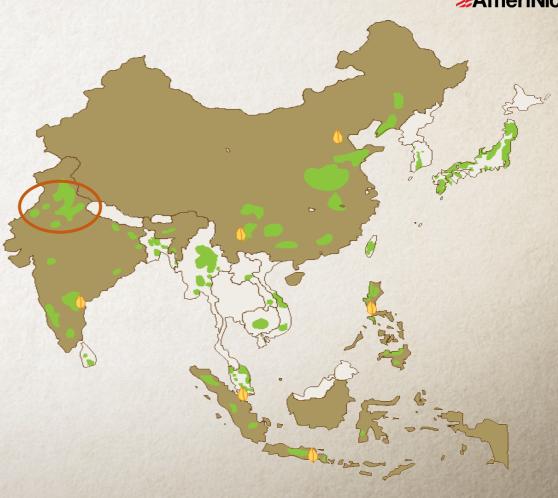
Current Nicotine Supply Chain



Current Initiatives

 We are working with our raw material suppliers to ensure adequate supply for 2019.

- Our Asia team is evaluating how to procure Beedi tobaccos to assist our suppliers.
 - Secure supply
- We are evaluating procuring Indian rustica tobaccos produced under contract to comply with GAP and other requirements.
- We continue to work with our suppliers to improve raw material quality



Universal Commitment to Sustainability and Product Integrity





Directly impacting more than

2,000,000

people in the farming areas from which we purchase tobacco



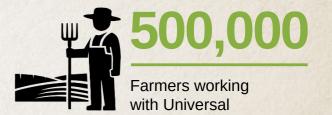


Countries in which we operate



20,000

Permanent and seasonal employees





300,000,000

Tree seedlings planted in last 10 years



Billion in revenue For fiscal year 2018



Schools built or improved

27 Schools were given Educational materials



Wells and boreholes dug in Malawi, Mozambique, and Tanzania in the last 10 years

Sustainable USP Nicotine Model



We are Committed to Sustainability and to Supply Chain Integrity

Good Agricultural Practices

Farmer Training

Process
Optimization,
Accountability
and
Traceability

Forestry and
Natural
Resource
Management

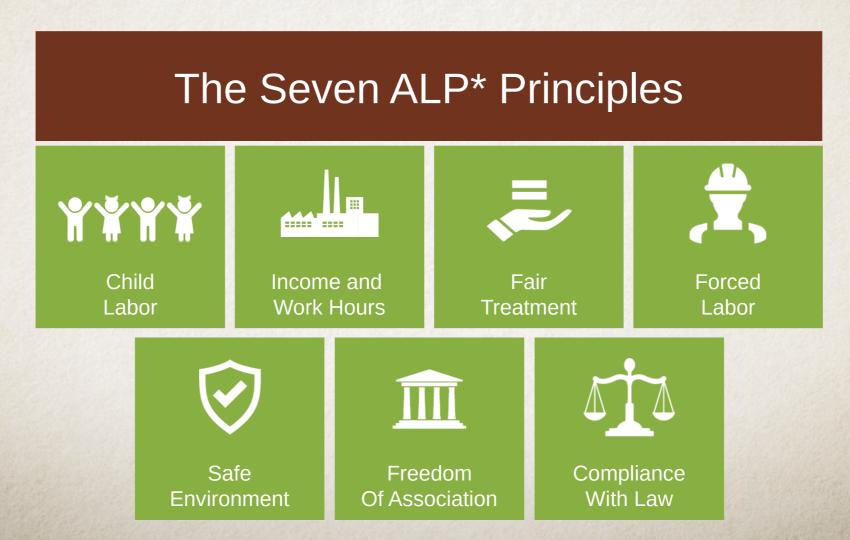
Fair Labor Practices

Social Development



Universal Commitment to Sustainability and Product Integrity





^{*} ALP - Agronomic Labor Practices

MOBILEAF™



MobiLeaf™ is a Universal-developed mobile software application that tracks farm data related to the complete life cycle of crops – from plant cultivation and harvesting to compliance with laws and industry standards. By combining GPS technology with an operating system that is compatible with today's most popular mobile and computer technology, MobiLeaf™ can be customized to meet the needs of organizations of various sizes and locations.

- Cultivation & Harvesting Data
- Compliance Data
- Accuracy & Efficiency



Universal Commitment to Sustainability and Product Integrity



The Four Pillars of Processing









The Four Pillars of Agronomy







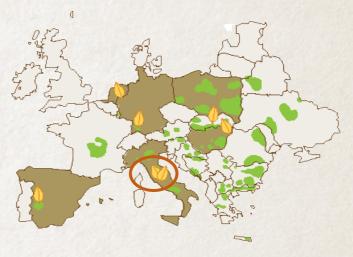


Sustainable USP Nicotine Model



ULT Vertically Integrated Supply Chain

- We have surveyed tobacco varieties around the world.
- Apart from India, varieties from the Philippines, Brazil,
 Spain and Poland look promising.
- To match JUUL'S growth plans:
 - ULT will build and operate extraction and/or purification operations in Europe and/or Asia
 - Italy
 - Philippines
- Work closely with JUUL to improve quality and optimize cost.





Relative Price Index for USP Nicotine



Relative Price Index



Sustainable USP Nicotine Model



The Future of Nicotine – ULT and JUUL

- We wish to become a strategic partner and preferred supplier.
- Fully traceable, compliant, socially responsible raw material production
 - In conformance with all of ULT's supply chain integrity policies and programs
- ULT will work with JUUL to develop and implement a high quality supply chain
 - Kosher
 - REACH
- Work together to develop a more transparent model.

Universal - Other Services





- Located in Wilson, NC
- Quality Management Systems
 - ISO/IEC 17025, A2LA accredited
 - Follows cGMP guidelines
- Staffing
 - 45 full-time employees

Universal - Other Services





ENDS Product Testing of Liquid and Vapor

- Mainstream smoke and vapor testing
- Harmful and Potentially Harmful Constituents (HPHC)
 - E-Cigarettes tobacco extract, liquids and vapor
- Pesticide and other Crop Protection Agents (CPA) in e-liquids
- Genetically Modified Organism (GMO) testing
- Stability Studies
- USP Nicotine Testing
- Method Development per Client Request

Sample of HPHC Analysis for E-liquids & Vapor			
Acetaldehyde	Diacetyl		
Acetyl Propionyl	Diethylene glycol		
Acrolein	Ethylene glycol		
Acrylonitrile	Formaldehyde		
4-Aminobiphenyl	Glycerol		
1-Aminophthalene	Isoprene		
2-Aminonaphthalene	Lead		
Ammonia	Menthol		
Anabasine	Nickel		
Benzene	Nicotine		
Benzo[a]pyrene	NNK		
1,3-Butadiene	NNN		
Cadmium	Propylene glycol		
Chromium	Toulene		
Crotonaldehyde	рН		

