

List of Acronyms

Abbreviation	Definition
AAAS	American Association for the Advancement of Science
APA	American Psychological Association
APPH	Appropriate for the Protection of Public Health
BCP	Behavioral and Clinical Pharmacology
BPA	Bisphenol A
CAS	Chemical Abstracts Service
CBER	Center for Biologics Evaluation and Research
CC	Combustible Cigarette
CDER	Center for Drug Evaluation and Research
CDR	Commander (US Public Health Service Rank)
CFR	Code of Federal Regulations
COA	Certificate of Analysis
CPD	Cigarettes per Day
CTP	Center for Tobacco Products
DART	Developmental and Reproductive Toxicity
DEHP	Di(2-ethylhexyl) phthalate
DIHS	Division of Individual Health Science
DNCS	Division of Nonclinical Science
DPHS	Division of Population Health Science
DPS	Division of Product Science
ELCR	Excess Lifetime Cancer Risk
ENDS	Electronic Nicotine Delivery Systems
EPA	Environmental Protection Agency
FDA	Food and Drug Administration
FE	Flavored ENDS
FMEA	Failure Mode and Effects Analysis
GRAS	Generally Recognized as Safe
HHS	Health and Human Services
HPHC	Harmful and Potentially Harmful Constituent

IARC	International Agency for Research on Cancer
ID	Identification
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
IUR	Inhalation Unit Risk
LOD	Limit of Detection
LOQ	Limit of Quantitation
NCI	National Cancer Institute
NIDA	National Institute of Drug Abuse
NIDCR	National Institute of Dental and Craniofacial Research
NIH	National Institutes of Health
NNK	4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone
NNN	N'-Nitrosonornicotine
NTN	Non-Tobacco Nicotine
ORISE	Oak Ridge Institute for Science and Education
OS	Office of Science
PG/VG	Propylene Glycol/Vegetable Glycerin
PK	Pharmacokinetic
PMTA	Premarket Tobacco Product Application
QA	Quality Assurance
QC	Quality Control
QMS	Quality Management System
RCT	Randomized Controlled Trial
SOP	Standard Operating Procedure
TAMC	Total Aerobic Microbial Count
TCA	Tobacco Control Act
TPL	Technical Project Lead
TNE	Total Nicotine Equivalents
TPMF	Tobacco Product Master File
TSNA	Tobacco-Specific Nitrosamine
TTC	Threshold of Toxicological Concern

TYMC	Total Yeast and Mold Count
UL	Underwriters Laboratories
USP	United States Pharmacopeia
WHO	World Health Organization
WI	Work Instruction
WOE	Weight of Evidence