

British Columbia Health Information Standards

Natural Health Product Data Dictionary

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Comments

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1. Licensed Natural Health Product (LNHP) Licences Tab

Subset Name	Health Canada Licensed Natural Health Product (LNHP) Licence Table
Tab	LNHP_Licences
Description	Health Canada Natural & Non-Prescription Health Product (HCNNHP) Data Set contains information about natural health products that have been assessed and approved by Health Canada (HC) for marketing. They are identified by an eight-digit Natural Product Number (NPN) or Homeopathic Medicine Number (DIN-HM). The LNHP Licence table is comprised of a single row for each licence containing attributes for the licence including extensions of the source data from Health Canada by derivation (e.g. number of active ingredients, number of products under license). The “flag_primary_name” attribute in the LNHP Product Licence table is used to create this one-to-one parent licence table. This table can be joined with the HCNNHP_Products_BC child table to provide a complete list of natural products.

Data Field	Description	Example
Lnhpd id	Health Canada internally unique ID for each NPN_DIN_HM licence.	23842065
NPN DIN HM	Health Canada Natural Product Number (NPN) or Drug Identification Number for homeopathic medicine (DIN_HM) represented as an 8-digit number with no preceding zeros.	80095531

Data Field	Description	Example
Primary Product Name	A product under a licence that has been designated as the primary product via the "flag_primary_name" attribute in the Health Canada Product Licence table.	Kids Mineral Chewable Tablet - Strawberry
Primary Product Display Name	Display name for the primary product where the Primary Product Name is presented in the upper case and appended with the title case Primary Product manufacturer's name within brackets.	KIDS MINERAL CHEWABLE TABLET - STRAWBERRY (Jamieson Laboratories Ltd./ Nutricorp International)
VNHP Name	The Virtual Natural Health Product (VNHP) name is derived from the product ingredients and their strengths, intended route and dose form.	Calcium 112.5 mg + Iron 3 mcg + Zinc 2 mcg oral chewable tablet
VNHP Inged	Virtual Natural Health Product described by ingredients and strengths only.	Calcium 112.5 mg + Iron 3 mcg + Zinc 2 mcg
VNH Moiety	Virtual Natural Health Product described by ingredients only where the ingredient names are concatenated with the "+" character.	Calcium + Iron + Zinc
Number of AI	The number of distinct active ingredients (AI) in the product under the license.	3

Data Field	Description	Example
Route Type Desc	The intended route of the product which is obtained from the Health Canada Natural Product Database Product Dose table and formatted as lowercase	1
Dosage Form	The physical form for dose administration of the natural product obtained from the Health Canada Natural Product Database ProductLicence table. It is formatted as lowercase and mapped to standardized terms	chewable tablet (source format is "Tablet, chewable")
Dose Unit	The dose unit of measure (uom) attribute in the Health Canada Natural Product Database "Product Dose" table. Like Dosage_form, it is mapped to standard terms and case for consistency.	tablet
Population Type Desc	This attribute is taken from the Health Canada Natural Product Database Product Dose table and multiple values for a license are concatenated with "or".	Adolescents or Children
Products Under Licence Count	This is a count of Inhpd_id (products) for each distinct licence.	8

Data Field	Description	Example
Purpose	<p>Information about the purpose of the product can be obtained from the Health Canada Natural Product Database Product Purpose table.</p> <p><i>Note: The text in the HC table contains control and non-printable characters, which disrupt parsing and viewing, and due to the risk of misrepresentation the content is currently not presented. Refer to link : Search licensed natural health products for product purpose by NPN_DIN_HM.</i></p>	<p>Search for licensed natural health products</p>
Company Id	The company ID in the Health Canada Natural Product Database Product Licence table.	10152
Company Name	<p>The company name associated with the product which the LNHP database flags as primary. Company names are normalized as a title case, while preserving as much as possible deliberate use of all capitals for acronyms and company branding. Legal designators like "Inc." "Ltd", "LLC" and other short forms are mostly presented in British Style. Abbreviations ending in the same letter as the original have no periods, first letter of all word's abbreviations are uppercase, and commas before the suffix are removed. This improves the readability of product display names in lists.</p>	Jamieson Laboratories Ltd./ Nutricorp International
Licence Date	The date Health Canada issued the licence.	2019-11-18

Data Field	Description	Example
Revised date	<p>The date Health Canada revised the licence.</p> <p><i>Note: If no revised date is available the field will be blank</i></p>	<<Blank>>
Date Start	<p>The date used by the Health Canada Natural Product Database for the kind of licence application submission.</p>	2019-10-21
Submission Type Code	<p>The code used by the Health Canada Natural Product Database for the kind of licence application submission.</p>	1
Submission Type Desc	<p>The term associated with the Submission Type Code.</p>	Compendial
Flag Product Status	<p>A Boolean (0,1) code representing the status of the product.</p> <p><i>Note: This is a one-to-one map of flag_licence_status.</i></p>	1
Product Status Value	<p>A term derived associated with flag_product_status from the Health Canada Natural Product Database online content description. Note that licensees are not obliged to report product end of life so the status flag should be interpreted with caution</p>	Active

2. Licensed Natural Health Products (LNHP) Product Tab

Subset Name	Health Canada Licensed Natural Health Products (LNHP) Product Table
Tab	LNHP_Products
Description	The LNHP_Products_BC table is a child of the LNHP_Licences_BC table. Each product has a unique product name ID and currently a licence may encompass up to 57 different products. The products under a licence have the same ingredients, form and route, but may be marketed with a different name, label or company. This table can be joined with the HCNNHP_Licences_BC table to provide a complete list of natural products.

Data Field	Description	Example
Product Name ID	Health Canada internally unique ID for each NPN_DIN_HM licence.	15435901
NPN DIN HM	Health Canada Natural Product Number (NPN) or Drug Identification Number for homeopathic medicine (DIN_HM) represented as an 8-digit number with no preceding zeros.	80095531
Lnhp_id	Health Canada internally unique ID for each NPN_DIN_HM licence.	23842065
Product Name	The specific product under a licence.	Kids Calcium, Iron and Zinc Chewable - Orange

Data Field	Description	Example
Product Display Name	Display name for the specific product where the Product Name is presented in the upper case to manufacturer's name is appended in title case within brackets.	KIDS CALCIUM, IRON AND ZINC CHEWABLE - ORANGE (Jamieson Laboratories Ltd./ Nutricorp International)
Number of AI	The number of distinct active ingredients in the product under the license.	3
Products Under Licence Count	This is a count of distinct Inhpd_id in the Health Canada Natural Product Database Product Licence table.	8
Company Name	The company name that is associated with the product. Company names are normalized to title case while preserving deliberate use of all capitals for acronyms and company branding as much as possible. Legal designators like "Inc." "Ltd", "LLC" etc. and other short forms are mostly presented in British Style where abbreviations ending in the same letter as the original have no periods, first letter of all word's abbreviations are uppercase, and commas before the suffix are removed. This improves the readability of product display names in lists.	Jamieson Laboratories Ltd./ Nutricorp International

Data Field	Description	Example
Flag Licence Status	A code representing the licence status of the product (e.g., 1=Active, 2=Stop Sale).	1
Licence Status Value	The description associated with Flag Licence Status (e.g., Active, Stop Sale).	Active
Flag Primary Name	Shows whether or not the product is designated as the primary product under the licence using a Boolean (0,1) flag. Currently a licence may support 1 to 57 products with the same ingredients, form and route where only one is identified as primary.	0
Flag Product Status	<p>A Boolean (0,1) value indicating whether or not the product is currently active.</p> <p><i>Note: This is a one-to-one map of flag_licence_status and manufacturers are not required to notify Health Canada if they no longer market the product.</i></p>	1

3. Licensed Natural Health Product (LNHP) Subset-Active Tab

Subset Name	Health Canada Licensed Natural Health Product Subset-Active
Tab	LNHP Subset
Description	<p>For brevity, this BC example Licensed Natural Health Product (LNHP) value set is a list of primary natural health products that have been licensed by Health Canada and are currently marked as active. While licences are identified by an eight-digit Natural Product Number (NPN) or Homeopathic Medicine Number (DIN-HM), each natural health product under a licence are uniquely identified by the Product Name ID (not included in this example since it is confined to primary products only).</p> <p>The example subset demonstrates how clinicians might be supported in searching for products by their various attributes including ingredients, form, and route. It is filtered to only licenses with active status, but it should be noted that licensees are not obliged to report product end of life, so the status flag should be interpreted with caution. To provide a subset that supports all natural health products, it is necessary to join the LNHP_Product_BC table. Currently, a product licence may support anywhere from one to 57 marketed products identified by different product names.</p>

Data Field	Description	Example
Lnhp id	Health Canada internally unique ID for each NPN_DIN_HM licence.	23842065

Data Field	Description	Example
NPN DIN HM	Health Canada Natural Product Number (NPN) or Drug Identification Number for homeopathic medicine (DIN_HM) represented as an 8-digit number with no preceding zeros.	80095531
Primary product display name	Display name for the primary product under the licence where the Primary Product Name is presented in the upper case to which the Primary Product manufacturer's name is appended in title case within brackets.	KIDS MINERAL CHEWABLE TABLET - STRAWBERRY (Jamieson Laboratories Ltd./ Nutricorp International)
VNHP Name	The Virtual Natural Health Product (VNHP) name is derived from the product ingredients and their strengths, intended route and dose form.	Calcium 112.5 mg + Iron 3 mcg + Zinc 2 mcg oral chewable tablet
Number of AI	The number of distinct active ingredients in the product under the licence.	3
Route Type Desc	The intended route of the product which is obtained from the Health Canada Natural Product Database Product Dose" table.	1
Dosage Form	The physical form for dose administration of the natural product obtained from the Health Canada Natural Product Database Product Licence table.	chewable tablet

Data Field	Description	Example
Dose Unit	The unit of measure (uom) attribute in the Health Canada Natural Product Database Product Dose" table. Like Dosage Form, the terms are mapped for consistency.	tablet
Population Type Desc	This attribute is taken from the Health Canada Natural Product Database Product Dose table and multiple values for a licence are concatenated with "or".	Adolescents or Children
Products Under Licence Count	This is a count of distinct licenses (Inhpd_id) in the Health Canada Natural Product Database Product Licence table.	8
Company Name	Company names are normalized to title case while preserving deliberate use of all capitals for acronyms and company branding as much as possible. Legal designators like "Inc." "Ltd", "LLC" etc. and other short forms are mostly presented in British Style where abbreviations ending in the same letter as the original have no periods, first letter of all word's abbreviations are uppercase, commas before the suffix are removed etc. This improves the readability of product display names in lists	Jamieson Laboratories Ltd./ Nutricorp International
Licence Date	The date Health Canada issued the licence.	2019-11-18

Data Field	Description	Example
Date Start	The date used by the Health Canada Natural Product Database for the kind of licence application submission.	2019-10-21
Product Status Value	A term derived associated with flag_product_status from the Health Canada Natural Product Database online content description.	Active

4. BC LNHP Ingredient and Quantity Subset

Subset Name	Health Canada Licensed Natural Health Product Active Ingredient & Quantity Subset
Tab	BC LNHP_IngredQty
Description	<p>BC Licensed Natural Health Product (LNHP) ingredient and quantity table contains discrete ingredient, quantity, quantity unit of measure, source material, potency and strength information derived from the Health Canada LNHP database Medicinal Ingredient table.</p> <p>The derived table facilitates analytics and clinical decision support by re-normalization of the data from HC API, normalizing quantity and potency units, and safe expression of decimal numbers. The re-normalization eliminates unwanted row duplications such as expressing fat soluble vitamins with 2 different strength systems or providing numerous alternative strengths depending on which source substance is used in the preparation. This reduces the ingredient information to a single row. Potency is provided where no quantity is available. Complex proper chemical names and variations in naming are mapped to single common names to improve readability and facilitate searching. There are approximately 90 licences for which no ingredient information is available.</p> <p>Disclaimer: This value set and all associated information are provided on an “as is” basis, without warranty of any kind, whether express or implied. The data is derived from Health Canada’s Licensed Natural Health Product files, which present known content challenges and limitations, The Ingredient Quantity table is used to create the virtual product names containing concatenated ingredients and their strengths. Vendors may wish to use this table to obtain discrete details of the ingredients and strengths for use in clinical decision support and other purposes without having to parse product names and strengths.</p>

Data Field	Description	Examples
Lnhpd id	Health Canada internally unique product identifier for each NPN_DIN_HM licence.	
ingredient name	The name of the medicinal Ingredient in the licensed product.	
BCingredient Name	Complex proper chemical names are mapped to a common name and name variations across products for the same ingredient are mapped to a single name.	
name Sort Priority	Determines the sort order of the ingredient in the product virtual name.	
name Mapped Flag	A flag to identify ingredient names which have been mapped from the original name provided in the HC NHP database.	
potency amount	The relative activity of the active ingredient which describes the dose needed for an effect. E.g. a large amount of a herb may be compressed into a component (biomarker) which produces most or all the effect.	
potency constituent	The component of the active ingredient which provides the potency.	

Data Field	Description	Examples
potency unit of measure	Unit of measurement for expressing the potency.	
quantity	The ingredient strength in terms of the amount / mass of the medicinal ingredient. Values ending in “.0” are reduced to an integer to align with the ISMP safety standard.	
quantity unit of measure	Unit of measure expressing the quantity of the ingredient.	
quantity minimum	The minimum quantity that a product contains.	
quantity maximum	The maximum quantity that a product contains.	
quantityMinMax UOM	The quantity range unit of measure.	
dried herb equivalent	The potency of the product normalized to the dry weight of a herb to enable consistent potency comparisons between products containing the same herb	
dhe unit of measure	Unit of measurement expressing the dry weight quantity	mg
extract type desc	Describes the state of the material providing the extracted ingredient	dry, fresh



Data Field	Description	Examples
source material	Substance from which the medicinal ingredient was derived. There may be multiple sources for a medicinal ingredient.	Buds, young shoots, stem bark

5. BC LNHP Companies Subset

Subset Name	Health Canada Licensed Natural Health Product Companies Subset
Tab	BC LNHP_Companies
Description	LNHP companies identified by a Health Canada company_id unique identifier and company_name_id identifier.

Data Field	Description	Example
Company id	Health Canada internally unique ID for each company holding a license.	23780
Company name id	Health Canada internally unique ID for each name that company may operate under.	3741164
Source company name	Company name as provided by Health Canada in the Product Licence Table	PRO REP GROUP (CANADA) INC

Data Field	Description	Example
Target company name	The company name displayed with a consistent style including title case of names and shortened names other than where it appears there is an acronym, no decimals between abbreviations made from first letter capitals, no decimal after abbreviations where the last letter of the abbreviation is the same as the last letter of the original name.	Pro Rep Group (Canada) Inc.
Default name flag	The flag used to identify the primary name to use when there are multiple names under the same product licence.	1

6. Natural Health Products Online Solution - Health Canada

- [Natural Health Products Ingredients Database details](#)
- [Natural Health Products Ingredients search](#)
- [Online search of LNHP](#)
 - Health Canada Natural & Non-Prescription Health Product (HCNNHP) Data Sets contain substances in which all the medicinal ingredients are substances set out in Schedule 1, a homeopathic medicine or a traditional medicine, that is manufactured, sold or represented for use in:
 - the diagnosis, treatment, mitigation or prevention of a disease, disorder or abnormal physical state or its symptoms in humans;
 - restoring or correcting organic functions in humans; or
 - modifying organic functions in humans, such as modifying those functions in a manner that maintains or promotes health.

7. Natural and Non-prescription Health Products Directorate (NNHPD) - Links

- [Natural Health Products - Canada.ca](#)
- [Stay safe when buying health products online](#)
- [Licensed Natural Health Products Database \(LNHPD\) API](#) Note: The paginated ingredient file download cannot be downloaded correctly (i.e., many records are missing, and others are duplicated numerous times).
- [Read Me File - Licensed Natural Health Products Database \(LNHPD\) - Terminology Guide - Canada.ca](#)
 - [Read Me File - LNHPD Extract Relationship Files](#): Note- This link provides additional details about the attributes in the files available for download as of 2013. This information is considered 'out of date' by Health Canada and doesn't accurately reflect information currently available. It does provide relational information which may provide historical context for the LNHPD API.