WHO Prequalification of Vector Control Products

Module 2. Quality dossier summary template

Instructions when using this template:

* [text] means it is needed to introduce the related appropriate text and remove the [ ].
* (text) means the table/paragraph/text to which the () refers can be inserted or not as appropriate, depending on the product specifics.

# Purpose

The purpose of this implementation guidance document is to indicate the structure and nature of the summarized data to be presented in the Module 2 quality dossier summary. Applicants can make use of this IG as a template to ensure that all required data for Module 3 are submitted and duly summarized.

# Chemical and physical data

## Chemical and physical properties

Data on the chemical and physical properties of the active ingredient and the product [product name] are summarized here and presented in full in Module 3. Product specific properties are summarized in Table 1. Numerical results are presented as: mean (range). The batches analysed to produce the chemical and physical properties data were batch numbers: [batch#1, batch#2, batch#3, batch#4, batch#5].

Complete results from the studies [study names] are available in Appendix 1.

| Table 1. Chemical and physical properties for [product name] | | |
| --- | --- | --- |
| ****Data requirement**** | ****Test method ID**** | ****Result**** |
| Identification of [AI name]  (and synergist, or second AI) |  | The active ingredients each comply with an identity test |
| [AI name] mean content  Accelerated storage [AI name] retention |  | [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] % ([lower value in range] -[upper value in range] %) |
| [name of impurity if any] mean content |  | [value] % ([lower value in range] -[upper value in range] %) |
| [synergist, or second AI ] content  Accelerated storage [synergist, or second AI ] retention |  | [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] % ([lower value in range] -[upper value in range] %) |
| Wash resistance index ([AI name])  Accelerated storage wash resistance index ([AI name]) | [CIPAC MT195] | [value] % ([lower value in range] -[upper value in range] %)  [value] % ([lower value in range] -[upper value in range] %) |
| Wash resistance index ([synergist, or second AI ])  Accelerated storage wash resistance index ([synergist, or second AI ]) | [CIPAC MT195] | [value] % ([lower value in range] -[upper value in range] %)  [value] % ([lower value in range] -[upper value in range] %) |
| Mesh size (mean) |  | [value] ([lower value in range] -[upper value in range]) holes/cm2 |
| Fabric weight | [ISO 3801] | [value] g/m2 ([lower value in range] -[upper value in range] g/m2) |
| Dimensional stability of netting to washing  Accelerated storage dimensional stability | [ISO 3759; ISO 5077; ISO 6330] | Length: [value] % ([lower value in range] % to [upper value in range] %) Width: [value] % ([lower value in range]% to [upper value in range] %)  Length: [value] % ([lower value in range] % to [upper value in range] %) Width: [value] % ([lower value in range] % to [upper value in range] %) |
| Bursting strength  Accelerated storage bursting strength | [ISO 13938-2] | [value] kPa ([lower value in range] -[upper value in range] kPa)  [value] kPa ([lower value in range] -[upper value in range] kPa) |
| Seam bursting strength | [ISO 13938-2] | [value] kPa ([lower value in range] -[upper value in range] kPa) |
| Flammability | [EN 1102] | No ignition or propagation. Maximum hole dimension [value] mm (length). |
| [Any other phys chem property as per updated ITN guideline, i.e. snag strength, abrasion, resistance to hole formation] |  |  |

[Comment on the properties of the product kept at ambient temperatures as compared to after accelerated storge stability test conditions]

## Manufacturing, composition and formulant information

A summary of the manufacturing process data is presented in Table 2.

|  |  |
| --- | --- |
| Table 2. Manufacturing process and product composition data submitted for [product name] | |
| Description of Starting Material | [AI name] TC (and synergist TC) formulated as [fill in with appropriate text].  (The sources of active ingredients are supported by a current evaluation report confirming compliance of the materials with the established WHO specification.) |
| Declaration of product formulation | Included in the confidential business information. |
| Production / Formulation Process | The fabric is manufactured by [fill in with appropriate text].  The finished product is manufactured by [fill in with appropriate text]. |
| Packaging | Nets may be packed individually in [fill in with appropriate text] or in bulk bales, of typically [fill in with appropriate value/text] nets with [fill in with appropriate value/text] adhesive label per bale. [fill in with appropriate text]. |
| Discussion of Impurities | ([fill in with impurity name if any] was analysed and reported as a percentage of the total [AI name] concentration.)  There are no relevant impurities of toxicological concern. |
| Certification of Limits | [AI name]: [value] g/kg, acceptable limits [lower value in range] -[upper value in range] g/kg  [synergist name]: [value] g/kg, acceptable limits [lower value in range] -[upper value in range] g/kg |

## Enforcement analytical method

|  |  |
| --- | --- |
| Table 3. Details of the analytical method used to determine [AI name] and [synergist name, or second AI ] in [product name] | |
| Quantification of [AI name] (and [synergist name, or second AI ]) |  |

# Chemical and entomological fabric characterization

## Laboratory studies

### Entomological characterisation

[Summarize laboratory bioassay results for wash resistance and wash regeneration studies here, including any supplemental laboratory studies that were conducted. The description should include:

* Selected bioassay/s and endpoint/s
* Criteria for selecting the decision-making endpoint
* Selected wash interval used in the wash resistance study
* Criteria for study/ies acceptance
* Mosquito species/strains used in bioassays and insecticide resistance status, including the strain which was used for decision-making
* Summarized results].

### Chemical characterization of samples

Chemical analyses of the [AI name] and [synergist name or second AI, if applicable] content of sampled pieces of the [product name] product used in the entomological studies were conducted. The batches used for this testing were: [batch#1, batch#2, batch#3] (samples from a minimum of 3 batches of each fabric used in the construction of the ITN used for the characterization of chemical and physical characteristics and semi-field trials). The results are summarized in Tables x and x.

(If multiple fabrics are investigated, results for each fabric must be presented in a separate Table).

| Table x. Baseline chemical analysis quality check results of ITNs received at testing facilities [testing facilities names] for [product name] used in [study name, i.e. regeneration study] (batch numbers [batch#1, batch#2, batch#3]) | | | | | |
| --- | --- | --- | --- | --- | --- |
| Sample ID (net and batch identification) | Number of net samples | Mean [AI name] content (g/kg) | RSD (%) | Mean [synergist name, or second AI] content (g/kg) | RSD (%) |
| Testing facility 1 [testing facility 1 name] | | | | | |
| [sample IDs]  Combined Batch [1] (Net 1 to Net 5) results |  | [mean] ([SD][range (lower limit-upper limit)]) | [this value shows the intra-batch variability] | [mean] ([SD][range (lower limit-upper limit)]) | [this value shows the intra-batch variability ] |
| [sample IDs]  Combined Batch [2] (Net 1 to Net5) results |  | [mean] ([SD][range (lower limit-upper limit)]) | [this value shows the intra-batch variability] | [mean] ([SD][range (lower limit-upper limit)]) | [this value shows the intra-batch variability ] |
| [sample IDs]  Combined Batch [3] (Net 1 to Net5) results |  | [mean] ([SD][range (lower limit-upper limit)]) | [this value shows the intra-batch variability] | [mean] ([SD][range (lower limit-upper limit)]) | [this value shows the intra-batch variability ] |
| Combined results |  |  |  |  |  |
| Testing facility 2 [testing facility 2 name] | | | | | |
| [sample IDs]  Combined Batch [1] (Net 1 to Net 5) results |  | [mean] ([SD][range (lower limit-upper limit)]) | [this value shows the intra-batch variability] | [mean] ([SD][range (lower limit-upper limit)]) | [this value shows the intra-batch variability ] |
| [sample IDs]  Combined Batch [2] (Net 1 to Net5) results |  | [mean] ([SD][range (lower limit-upper limit)]) | [this value shows the intra-batch variability] | [mean] ([SD][range (lower limit-upper limit)]) | [this value shows the intra-batch variability ] |
| [sample IDs]  Combined Batch [3] (Net 1 to Net5) results |  | [mean] ([SD][range (lower limit-upper limit)]) | [this value shows the intra-batch variability] | [mean] ([SD][range (lower limit-upper limit)]) | [this value shows the intra-batch variability ] |
| Combined results |  |  |  |  |  |
| Add extra rows if required |  |  |  |  |  |

The mean AI content presented in Table x was determined based on [45] net samples belonging to [3] batches (3 samples/net x 5 nets/batch x 3 batches) per testing facility, indicating standard deviation [SD] and ranges to the AI content in parenthesis.

(There may be up to three baseline quality checks in total, conducted at three different facilities, or there may be only two baseline quality checks. It depends on whether the laboratory study is conducted at the same site as one of the semi-field studies.)

(The effects of inter- and intra-batch variability can be analyzed using relative standard deviation (RSD) to measure the precision of the average of the results.)

| Table x. Regeneration study chemical analysis results for [product name] and batch numbers [batch#1, batch#2, batch#3] | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Wash | Net sample | Total [AI name] content for each piece sample (g/kg) | Total [AI name] content for each piece sample (g/kg) after wash and dry once | Difference in total [AI name] between the pieces of each sample in g/kg | Total [synergist name, or second AI] content for each piece sample (g/kg) | Total [synergist name, or second AI] content for each piece sample (g/kg) after wash and dry once | Difference in total [synergist name, or second AI] between the pieces of each sample in g/kg |
| Unwashed | 1-4 | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] |
| Day 0 | 1-4 | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] |
| Day 1 | 1-4 | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] |
| Day 2 | 1-4 | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] |
| Day 3 | 1-4 | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] |
| Day 5 | 1-4 | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] |
| Day 7 | 1-4 | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] |
| Day 10 | 1-4 | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] |
| Day 15 | 1-4 | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] |
| Day 20 | 1-4 | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] |
| Day 30 | 1-4 | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] |
| Day 40 | 1-4 | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] | [Mean value] |

The mean AI content presented in Table x was determined based on [60] net samples belonging to [3] batches (10 samples/net x 6 nets belonging to 3 batches), indicating ranges to the AI content in parenthesis.

| Table x. AI content and retention of sampled pieces of [product name] used in the entomological wash resistance study (batch numbers [batch#1, batch#2, batch#3]) | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Wash No. | Mean [AI name] content (g/kg) | RSD (%) | [AI name] retention | [AI name] retention  per wash | Mean [synergist name, or second AI] content (g/kg) | RSD (%) | [synergist name] retention | [synergist name] retention  per wash |
| 0 | [value] ([range (lower limit-upper limit)]) | [value] | - | - | [value] ([range (lower limit-upper limit)]) | [value] | - | - |
| 1 | [value] ([range (lower limit-upper limit)]) | [value] | [value] % | [value]% | [value] ([range (lower limit-upper limit)]) | [value] | [value]% | [value]% |
| 3 | [value] ([range (lower limit-upper limit)]) | [value] | [value] % | [value]% | [value] ([range (lower limit-upper limit)]) | [value] | [value]% | [value]% |
| 5 | [value] ([range (lower limit-upper limit)]) | [value] | [value] % | [value]% | [value] ([range (lower limit-upper limit)]) | [value] | [value]% | [value]% |
| 10 | [value] ([range (lower limit-upper limit)]) | [value] | [value] % | [value]% | [value] ([range (lower limit-upper limit)]) | [value] | [value]% | [value]% |
| 15 | [value] ([range (lower limit-upper limit)]) | [value] | [value] % | [value]% | [value] ([range (lower limit-upper limit)]) | [value] | [value]% | [value]% |
| 20 | [value] ([range (lower limit-upper limit)]) | [value] | [value] % | [value]% | [value] ([range (lower limit-upper limit)]) | [value] | [value]% | [value]% |
| 25 | [value] ([range (lower limit-upper limit)]) | [value] | [value] % | [value] % | [value] ([range (lower limit-upper limit)]) | [value] | [value] % | [value] % |

The mean AI content presented in Table x was determined based on [value] net samples belonging to [value] batches, indicating ranges to the AI content in parenthesis.

AI retention per wash in Table x is calculated as:

AI retention per wash = 100 x n√(tn/t0) where:

tn = total active ingredient content after n washing cycles

t0 = total active ingredient content before washing

n = number of washes.

## Chemical and entomological fabric characterisation conclusions

The submitted laboratory studies characterize the fabric of [product name] against [insert appropriate text]. [Summarise the findings of the entomology fabric characterization studies and provide full interpretation of the results].

Appendix 1.   
Summary of available data considered in Module 3

Batches used to generate the physical/chemical data

|  |  |  |  |
| --- | --- | --- | --- |
| Batch number | Date | Formulation | Uses |
| [batch number] | [Month/Year] | [colour] | [e.g., in-use stability (laboratory)/ storage stability/laboratory bioassays] |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Product characteristics**

Study [number]

| Property | Batch ID | Test method | Results |
| --- | --- | --- | --- |
| [AI name] content  (Numbers in parenthesis indicate percentage of target dose) | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  Relative standard deviation (RSD %) |  | [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg  [value] % |
| [name of impurity if any] content | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  - |
| [synergist name, or second AI ] content  (Numbers in parenthesis indicate percentage of target dose) | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  Relative standard deviation (RSD %) |  | [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg  [value] % |
| Wash resistance index ([AI name]) | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [CIPAC MT195] | [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] % | |
| Wash resistance index ([synergist name, or second AI]) | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] % | |
| Mesh size | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD |  | [value] holes/cm2  [value] holes/cm2  [value] holes/cm2  [value] holes/cm2  [value] holes/cm2  [value] holes/cm2  [value] holes/cm2  [value] % | |
| Fabric weight | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [ISO 3801] | [value] g/m2  [value] g/m2  [value] g/m2  [value] g/m2  [value] g/m2  [value] g/m2  [value] g/m2  [value] % | |
| Dimensional stability | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [ISO 3759; ISO 5077; ISO 6330] | [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] % | |
| Bursting strength | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [ISO 13938-2] | [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] % | |
| Seam bursting strength | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] % | |
| Flammability | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID] | [EN 1102:2016] | No ignition or propagation.  Maximum hole dimension [value] mm. | |

****Study**** [number]

| Property | Batch ID | Test method | Results |
| --- | --- | --- | --- |
| [AI name] content  (Numbers in parenthesis indicate percentage of  target dose) | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  Relative standard deviation (RSD %) |  | [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg  [value] % |
| [name of impurity if any] content | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  - |
| [synergist name, or second AI ] content  (Numbers in parenthesis indicate percentage of target dose) | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  Relative standard deviation (RSD %) |  | [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg ([lower value in range] -[upper value in range] g/kg)  [value] g/kg  [value] % |
| Wash resistance index ([AI name]) | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [CIPAC MT195] | [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] % |
| Wash resistance index ([synergist name, or second AI]) | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] % |
| Mesh size | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD |  | [value] holes/cm2  [value] holes/cm2  [value] holes/cm2  [value] holes/cm2  [value] holes/cm2  [value] holes/cm2  [value] holes/cm2  [value] % |
| Fabric weight | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [ISO 3801] | [value] g/m2  [value] g/m2  [value] g/m2  [value] g/m2  [value] g/m2  [value] g/m2  [value] g/m2  [value] % |
| Dimensional stability | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [ISO 3759; ISO 5077; ISO 6330] | [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] % |
| Bursting strength | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [ISO 13938-2] | [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] % |
| Seam bursting strength | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] % |
| Flammability | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID] | [EN 1102:2016] | No ignition or propagation.  Maximum hole dimension [value] mm. |

Storage stability

****Study**** [number]

| Property | Batch ID | Results |
| --- | --- | --- |
| [AI name] retention | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] % |
| [synergist name, or second AI ] retention | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] % |
| Wash resistance index ([AI name]) | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] % |
| Wash resistance index ([synergist name, or second AI ]) | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] % |
| Dimensional stability | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] % |
| Bursting strength | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] % |

Study [number]

| Property | Batch ID | Results |
| --- | --- | --- |
| [AI name] retention | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] % |
| [synergist name, or second AI ] retention | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] % |
| Wash resistance index ([AI name]) | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] % |
| Wash resistance index ([synergist name, or second AI ]) | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] %  [value] % |
| Dimensional stability | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] %  [value] %, [value] % |
| Bursting strength | [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [Batch ID]  [as much as required Batch ID]  Mean  RSD | [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] kPa  [value] % |