

## Chelsea Alene Graham

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**From:** Claus Søndergaard, UPM <Claus.Sondergaard@upmraflatac.com>  
**Sent:** Thursday, August 4, 2022 1:52 PM  
**To:** Chelsea Alene Graham  
**Cc:** Pip Brewer  
**Subject:** RE: PAT godkendte labels  
**Attachments:** TIS - PET WHITE TC 50 - RC15 - HD 70 - 6415788089446 - English - SI.pdf; TIS - PET WHITE TC 50 - RC18 - HD 70 - 6415788019252 - English - SI (2).pdf

Hi Chelsea,

I am back from holidays now.

As I mention earlier I only know one of our customers (3L.dk) who carry out this PAT test on various label solutions from UPM Raflatac. I will discuss this case with them next week when they are back and ask them to quote you a price including the PAT approval. If PAT test need to be requested it will take time to get the approval (as I recall min. 3 months).

I can confirm we are a Finnish stock listed company with HQ in Helsinki. Attached two product are produced in Finland.

3L might have other qualities which already have PAT approval but if not this is my material recommendation. RC15 is the most migration safe adhesive and RC18 have higher tack to a broader range of surfaces.

As I understand the PAT approval is a must. Is that correct?

I will revert next week with the options.

Regards  
Claus

**Claus Søndergaard** | Packaging Solution Manager, Nordic and Baltic, UPM Raflatac EMEA | Tel. +45 89887032 | Mobile +45 30712022 |  
[Claus.Sondergaard@upmraflatac.com](mailto:Claus.Sondergaard@upmraflatac.com)  
**UPM Raflatac** | Tesomankatu 31 | 33310 Tampere, Finland | Customer Service +358 2041 68000 | [www.upmraflatac.com](http://www.upmraflatac.com) |

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**From:** Chelsea Alene Graham <chelsea.graham@snm.ku.dk>  
**Sent:** 20. juli 2022 09:37  
**To:** Claus Søndergaard, UPM <Claus.Sondergaard@upmraflatac.com>  
**Cc:** Pip Brewer <pip.brewer@snm.ku.dk>  
**Subject:** RE: PAT godkendte labels

Dear Claus,

I have newly joined the digitization project that Pip Brewer is leading at the Natural History Museum of Denmark. Pip was previously in contact with you regarding labels for our herbarium sheets and I wanted to check back in and request a quote for 250,000 labels at 2.55 x 1.1 cm.

What is your lead time? Are you currently experiencing any supply chain issues?

I also wanted to confirm that your company is EU based and registered, as VAT is a consideration to us as well.

Thank you!  
Mvh,  
Chelsea

**Chelsea Graham**  
Technical Team Leader of DaSSCo

**Københavns Universitet**  
Statens Naturhistoriske Museum  
Digitale samlinger  
Universitetsparken 15  
2100 København Ø

DIR 35 32 35 75  
chelsea.graham@snm.ku.dk  
www.snm.ku.dk



Sådan beskytter vi persondata



**From:** Claus Søndergaard, UPM <[Claus.Sondergaard@upmraflatac.com](mailto:Claus.Sondergaard@upmraflatac.com)>  
**Sent:** 29 June 2022 16:41  
**To:** Pip Brewer <[pip.brewer@snm.ku.dk](mailto:pip.brewer@snm.ku.dk)>  
**Subject:** RE: PAT godkendte labels

You don't often get email from [claus.sondergaard@upmraflatac.com](mailto:claus.sondergaard@upmraflatac.com). [Learn why this is important](#)

Hi Pip,

Sorry I just got a number from your reception (35334241) and tried to call you here. I just have some questions especially to the PAT test.

I am only aware of one customer of UPM Raflatac who do carry out these PAT test. But the test they have done is not on PET quality.

We do not carry out this test with our adhesives but normally handle by our customers.

If you can accept not to have the PAT certification I am sure Aniket.dk will be able to supply you with material. I have attached the datasheet for similar material as the 7874EC you ref. to.

RC18 (adhesive name) is though without solvent this is the main difference. Adhesive coat weight is also lower which mean risk of adhesive residue will be reduced when labels are removed.

If you need the PAT certification you will need to talk to 3L.dk – I am not 100% up to date which materials they have PAT approval on.

Hope this will help you forward to find a solution otherwise feel free to ask more questions.

Regards

Claus

**Claus Søndergaard** | Packaging Solution Manager, Nordic and Baltic, UPM Raflatac EMEA | Tel. +45 89887032 | Mobile +45 30712022 |

[Claus.Sondergaard@upmraflatac.com](mailto:Claus.Sondergaard@upmraflatac.com)

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**From:** Pip Brewer <[pip.brewer@snm.ku.dk](mailto:pip.brewer@snm.ku.dk)>

**Sent:** 29. juni 2022 16:08

**To:** Claus Søndergaard, UPM <[Claus.Sondergaard@upmraflatac.com](mailto:Claus.Sondergaard@upmraflatac.com)>

**Subject:** RE: PAT godkendte labels

Hello,

My apologies – I have not received any missed calls on my phone. As that is my personal number (I do not have a work number), I would prefer contact via email – would that be possible? I am very interested to hear whether you are able to help us with this enquiry.

Many best wishes,

Pip

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**From:** Claus Søndergaard, UPM <[Claus.Sondergaard@upmraflatac.com](mailto:Claus.Sondergaard@upmraflatac.com)>

**Sent:** 29 June 2022 11:40

**To:** Pip Brewer <[pip.brewer@snm.ku.dk](mailto:pip.brewer@snm.ku.dk)>

**Subject:** PAT godkendte labels

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Hej Pip.

Jeg har forsøgt at ringe til dig flere gange vedr. din forespørgsel

Message: I am looking for a supplier for printed sticky labels for natural history collections. We can supply the information to be printed on them (a data matrix, an institution prefix and 8 digit number). The labels need to meet the following specifications: Matt white spun-bound polyester labels ('archival' polyester should be used - no additives, plasticizers, colourants or coatings). Our institution ID/prefix and number to be printed adjacent to the barcode/data matrix (we will provide the numbers) via thermal transfer printing with resin only ribbon cartridges which contain carbon black pigment and an acrylic permanent adhesive applied or equivalent (ISO 18902:2013 Section 4.4.1 the basic requirements for all adhesives used in and with storage materials must be acid-free when dry, pass the PAT test (ISO 18916), and contain no rubber or rubber-based products). Corners of individual labels should be rounded, there should be no printed border. Example of label material and glue which we would be happy with are 3M's 7874EC for labels/adhesive. The labels will be around 2.55 by 1.1 mm (we can adjust this, if that is really awkward size). Would your company be able to supply them and if so, would you be able to provide me with a quote? Ultimately we will need up to a few million labels, but would like to order in batches of 500,000. I look forward to hearing from you. Many best wishes, Pip -- Pip Brewer DaSSCo Project Leader Natural History Museum of Denmark (NHMD) University of Copenhagen Universitetsparken 5, DK-2100 Copenhagen, Denmark [pip.brewer@snm.ku.dk](mailto:pip.brewer@snm.ku.dk)

Du er meget velkommen til at ringe tilbage på 30712022 og ellers prøver jeg igen senere.

Mvh  
Claus

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