

## 4.0 long-term stability

50 dana inkubacije NAD<sup>+</sup>/NADH u mraku pri sobnoj temp.

- različiti referentni puferi i ChCl:U-10% (1:2)
- 2. paralele

- 0. dan : 30.3.2021.
- 50. dan : 18.5.2021.

NAD<sup>+</sup>:

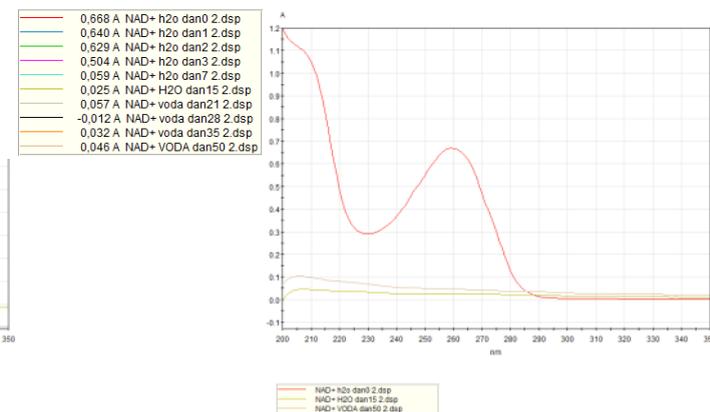
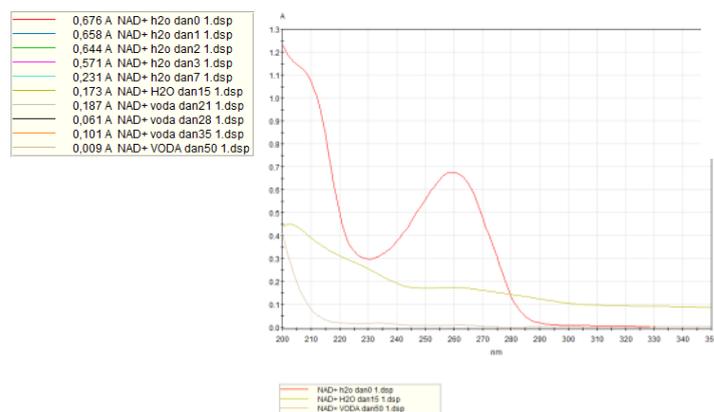
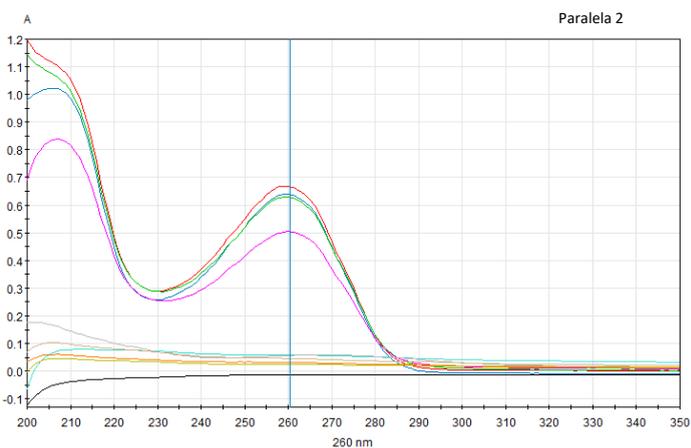
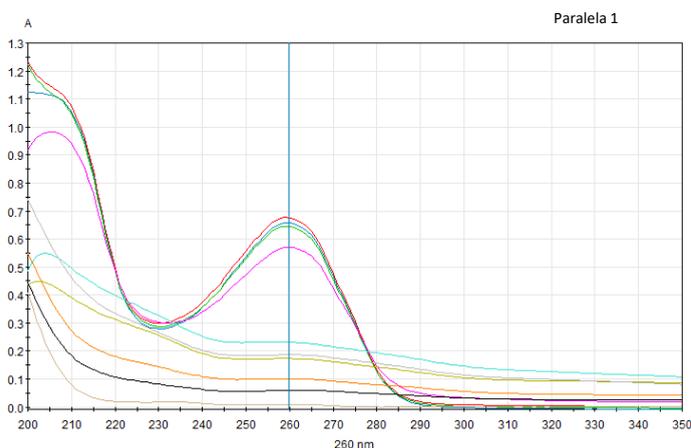
H <sub>2</sub> O	7,15
PBS	
TRIS-HCl	7
ChCl:U (1:2) - 10% H <sub>2</sub> O	8,66

NADH:

ChCl:U (1:2) - 10% H <sub>2</sub> O	8,66
GlyPP	9,1
TRIS	9,5
Gly NaOH	9,98

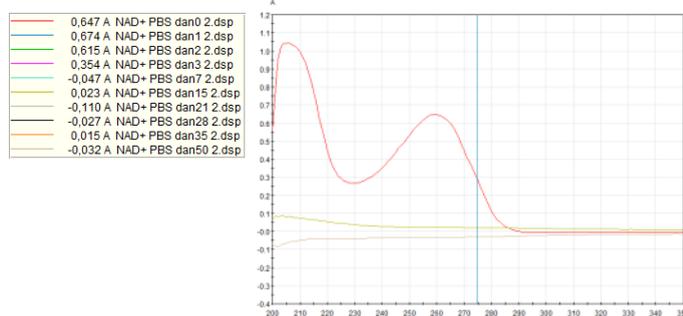
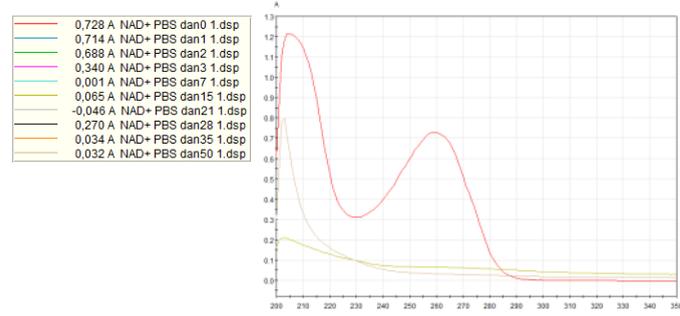
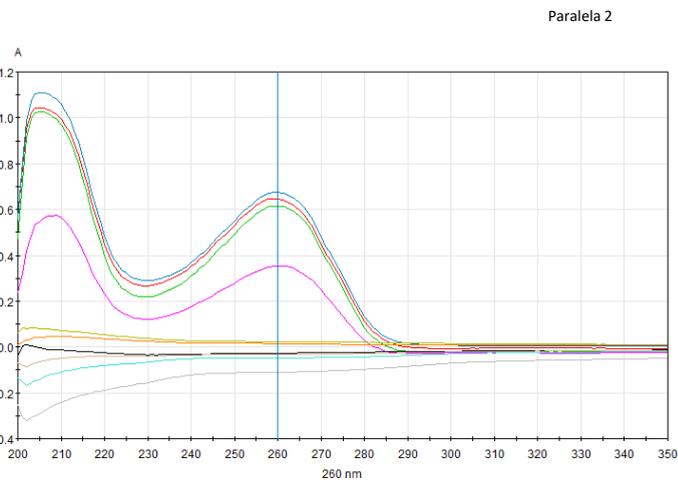
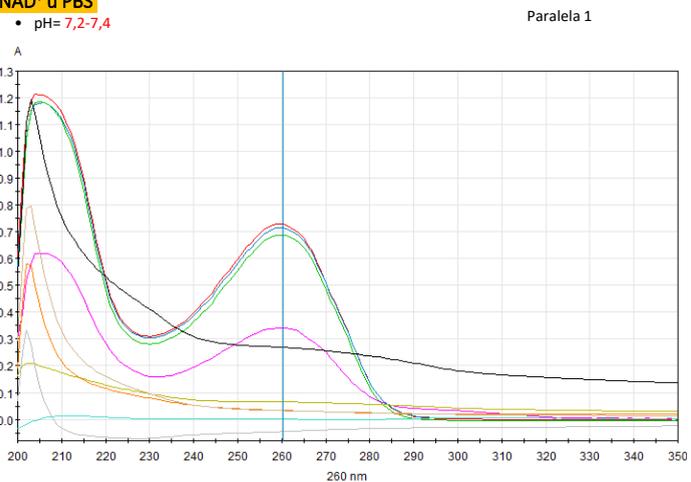
### NAD<sup>+</sup> u H<sub>2</sub>O

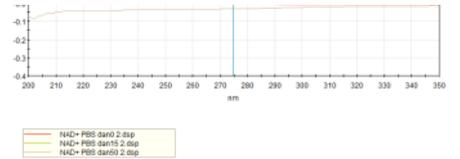
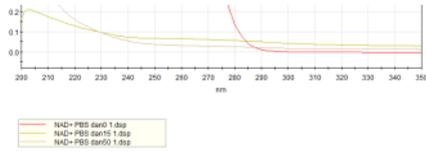
- pH= 7,15



### NAD<sup>+</sup> u PBS

- pH= 7,2-7,4



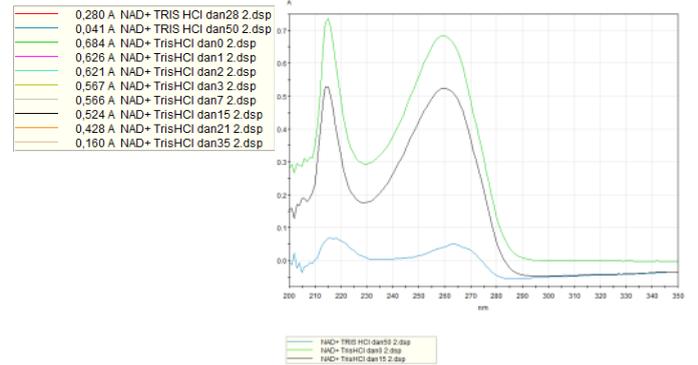
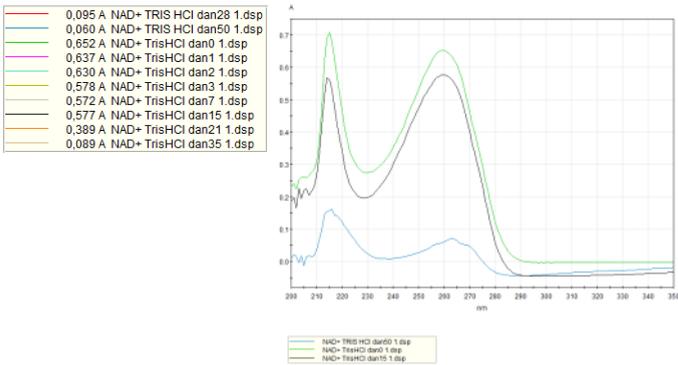
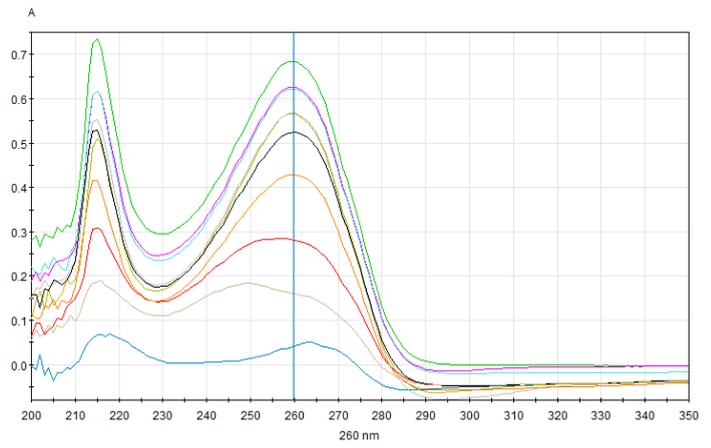
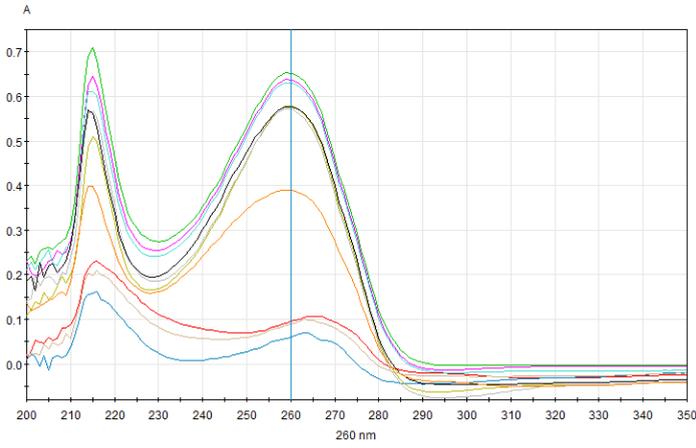


**NAD<sup>+</sup> u Tris-HCl**

• pH= 7,15

Paralela 1

Paralela 2

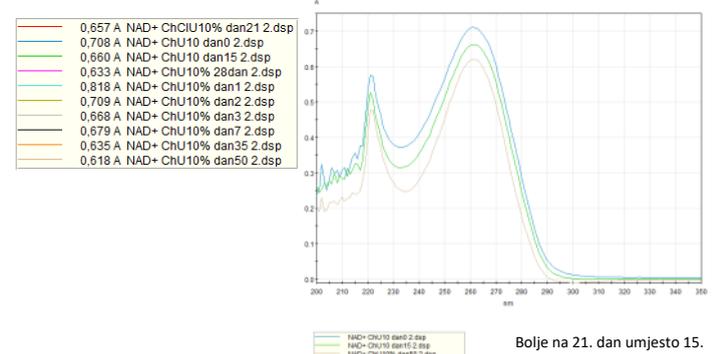
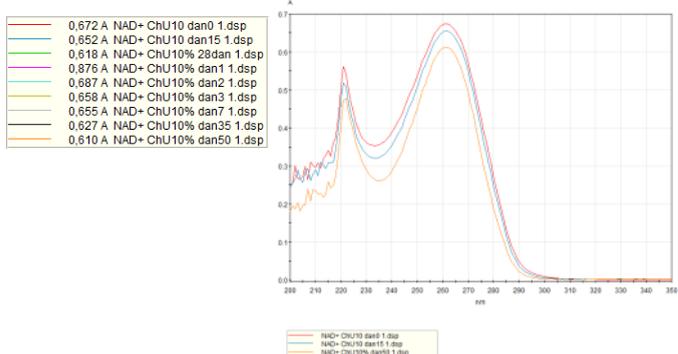
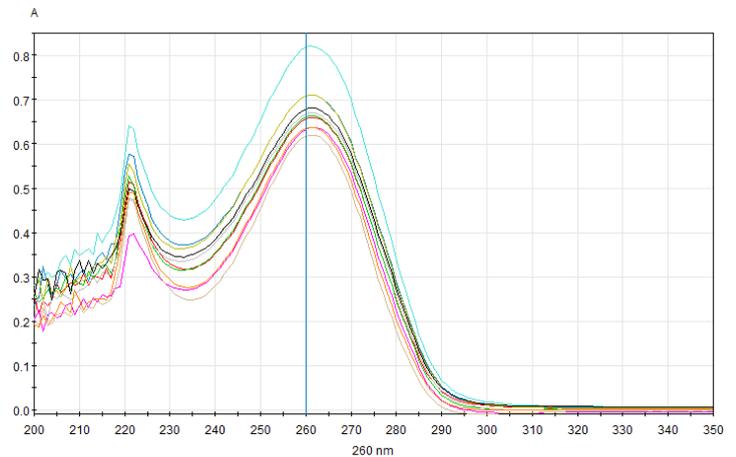
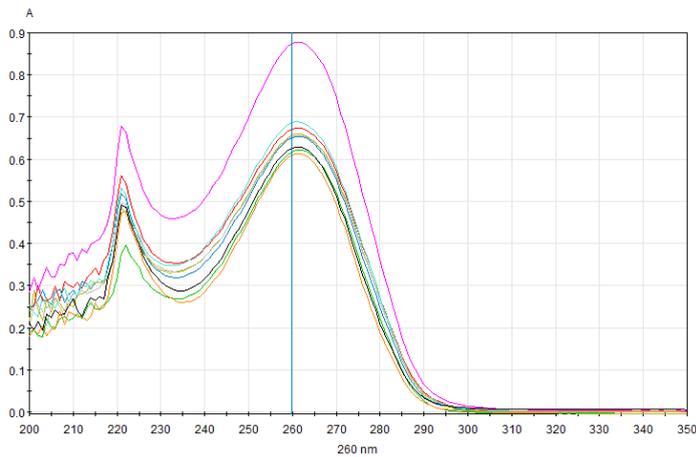


**NAD<sup>+</sup> u ChCl:U (1:2) - 10% H<sub>2</sub>O**

• pH= 8,66

Paralela 1

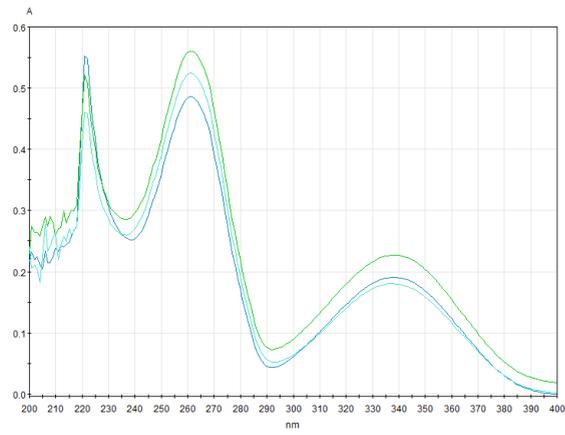
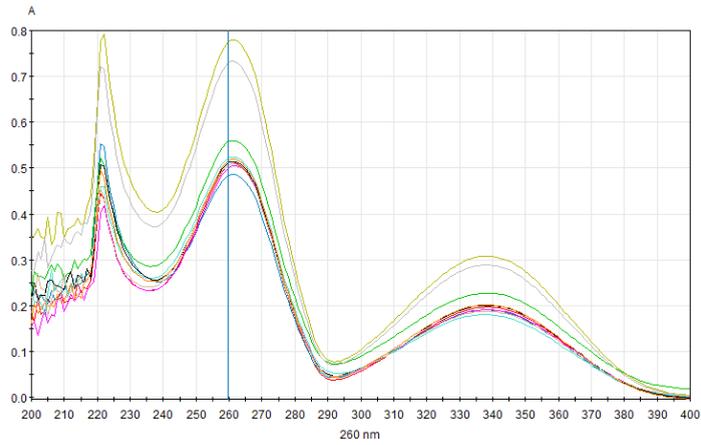
Paralela 2



Bolje na 21. dan umjesto 15.

**NADH u ChCl:U (1:2) - 10% H<sub>2</sub>O**

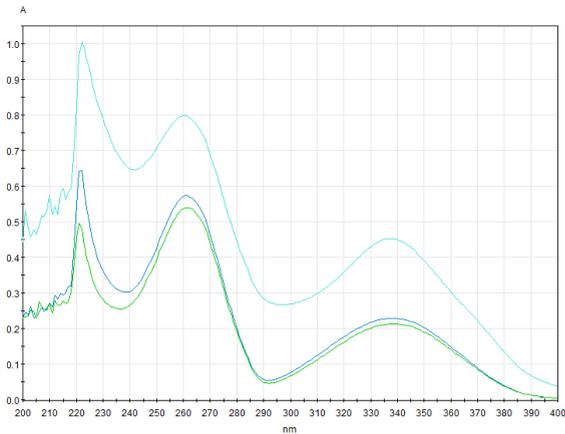
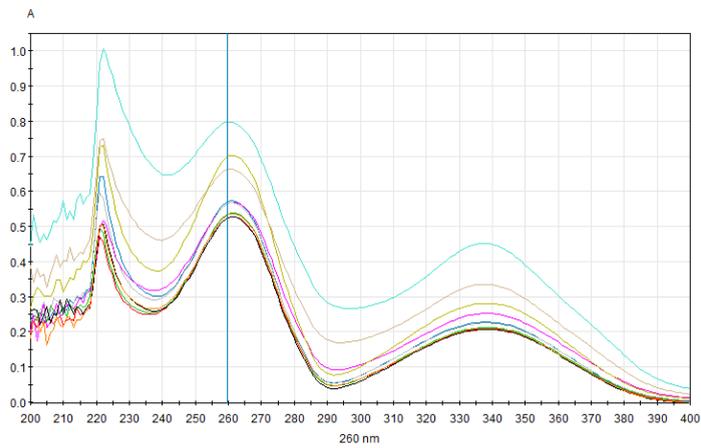
• pH= 8,66



Paralela 1

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| 0.508 A NADH ChClU10% dan21 1.dsp | 0.197 A NADH ChClU10% dan21 1.dsp |
| 0.484 A NADH ChU10 dan0 1.dsp     | 0.191 A NADH ChU10 dan0 1.dsp     |
| 0.559 A NADH ChU10 dan15 1.dsp    | 0.227 A NADH ChU10 dan15 1.dsp    |
| 0.502 A NADH ChU10% 28dan 1_1.dsp | 0.191 A NADH ChU10% 28dan 1_1.dsp |
| 0.523 A NADH ChU10% 50dan 1.dsp   | 0.181 A NADH ChU10% 50dan 1.dsp   |
| 0.778 A NADH ChU10% dan1 1.dsp    | 0.308 A NADH ChU10% dan1 1.dsp    |
| 0.731 A NADH ChU10% dan2 1.dsp    | 0.289 A NADH ChU10% dan2 1.dsp    |
| 0.512 A NADH ChU10% dan3 1.dsp    | 0.201 A NADH ChU10% dan3 1.dsp    |
| 0.517 A NADH ChU10% dan7 1.dsp    | 0.202 A NADH ChU10% dan7 1.dsp    |
| 0.506 A NADH ChU10% dan35 1.dsp   | 0.187 A NADH ChU10% dan35 1.dsp   |

- NADH ChU10 dan0 1.dsp
- NADH ChU10 dan15 1.dsp
- NADH ChU10% 50dan 1.dsp



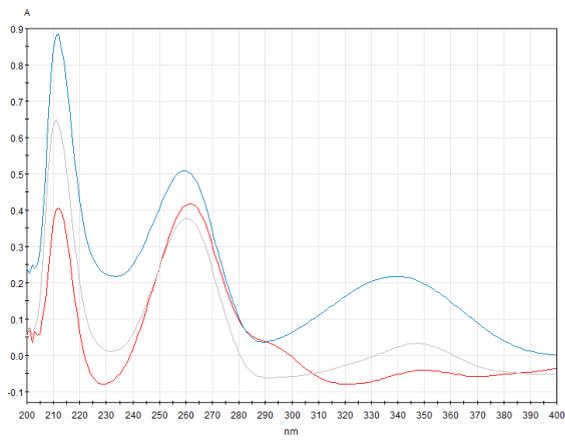
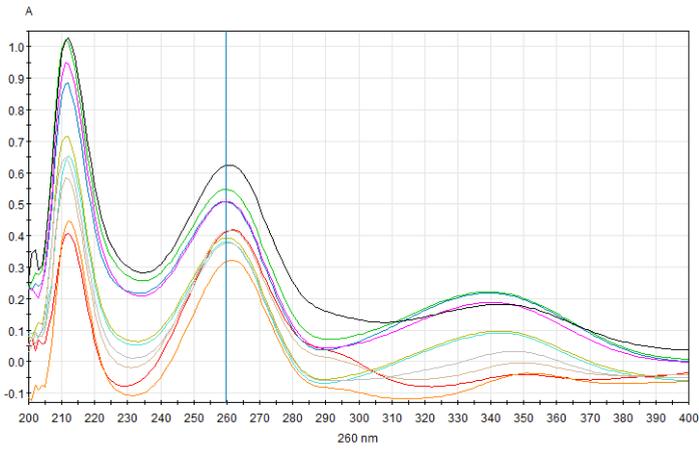
Paralela 2

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| 0.526 A NADH ChClU10% dan21 2.dsp | 0.207 A NADH ChClU10% dan21 2.dsp |
| 0.571 A NADH ChU10 dan0 2.dsp     | 0.228 A NADH ChU10 dan0 2.dsp     |
| 0.537 A NADH ChU10 dan15 2.dsp    | 0.212 A NADH ChU10 dan15 2.dsp    |
| 0.507 A NADH ChU10% 28dan 2_1.dsp | 0.252 A NADH ChU10% 28dan 2_1.dsp |
| 0.798 A NADH ChU10% 50dan 2.dsp   | 0.452 A NADH ChU10% 50dan 2.dsp   |
| 0.700 A NADH ChU10% dan1 2.dsp    | 0.281 A NADH ChU10% dan1 2.dsp    |
| 0.566 A NADH ChU10% dan2 2.dsp    | 0.225 A NADH ChU10% dan2 2.dsp    |
| 0.525 A NADH ChU10% dan3 2.dsp    | 0.208 A NADH ChU10% dan3 2.dsp    |
| 0.535 A NADH ChU10% dan7 2.dsp    | 0.210 A NADH ChU10% dan7 2.dsp    |
| 0.663 A NADH ChU10% dan35 2.dsp   | 0.335 A NADH ChU10% dan35 2.dsp   |

- NADH ChU10 dan0 2.dsp
- NADH ChU10 dan15 2.dsp
- NADH ChU10% 50dan 2.dsp

**NADH u GlyPP**

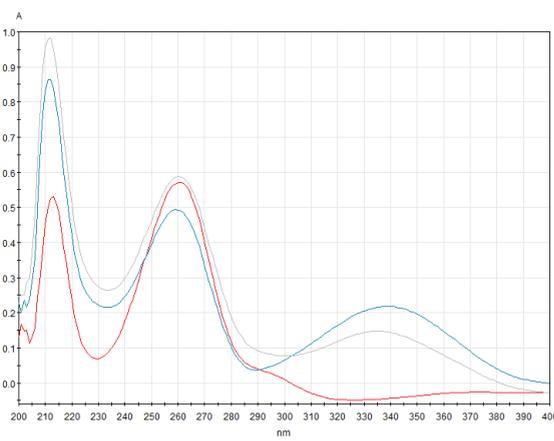
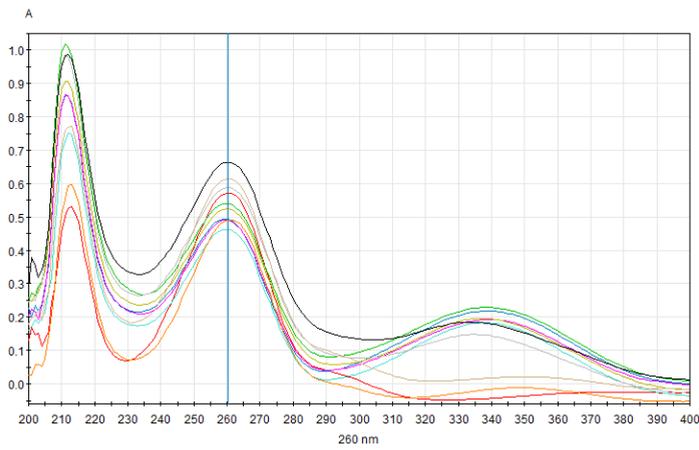
• pH= 9,1



Paralela 1

- |                                |                                 |
|--------------------------------|---------------------------------|
| 0.414 A NADH GlyPP 50dan 1.dsp | -0.056 A NADH GlyPP 50dan 1.dsp |
| 0.507 A NADH GlyPP dan0 1.dsp  | 0.217 A NADH GlyPP dan0 1.dsp   |
| 0.547 A NADH GlyPP dan1 1.dsp  | 0.221 A NADH GlyPP dan1 1.dsp   |
| 0.508 A NADH GlyPP dan2 1.dsp  | 0.187 A NADH GlyPP dan2 1.dsp   |
| 0.380 A NADH GlyPP dan3 1.dsp  | 0.087 A NADH GlyPP dan3 1.dsp   |
| 0.393 A NADH GlyPP dan7 1.dsp  | 0.093 A NADH GlyPP dan7 1.dsp   |
| 0.377 A NADH GlyPP dan15 1.dsp | 0.019 A NADH GlyPP dan15 1.dsp  |
| 0.624 A NADH GlyPP dan21 1.dsp | 0.179 A NADH GlyPP dan21 1.dsp  |
| 0.318 A NADH GlyPP dan28 1.dsp | -0.072 A NADH GlyPP dan28 1.dsp |
| 0.415 A NADH GlyPP dan35 1.dsp | -0.022 A NADH GlyPP dan35 1.dsp |

- |                        |
|------------------------|
| NADH GlyPP 50dan 1.dsp |
| NADH GlyPP dan0 1.dsp  |
| NADH GlyPP dan15 1.dsp |



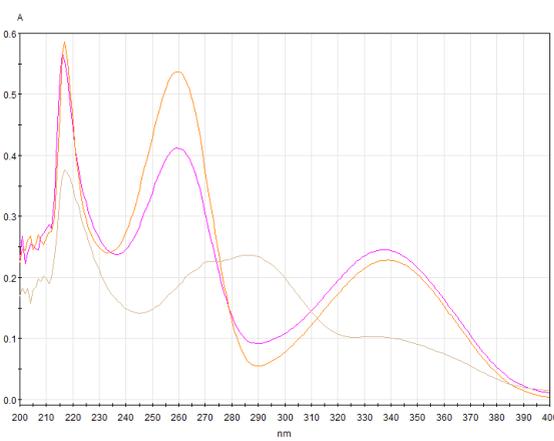
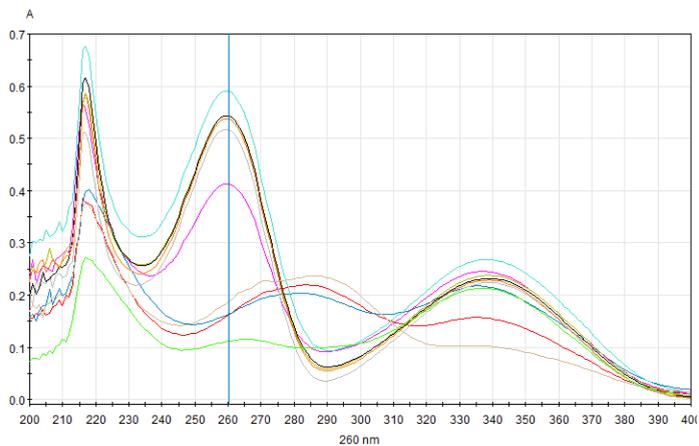
Paralela 2

- |                                |                                 |
|--------------------------------|---------------------------------|
| 0.570 A NADH GlyPP 50dan 2.dsp | -0.045 A NADH GlyPP 50dan 2.dsp |
| 0.493 A NADH GlyPP dan0 2.dsp  | 0.218 A NADH GlyPP dan0 2.dsp   |
| 0.540 A NADH GlyPP dan1 2.dsp  | 0.229 A NADH GlyPP dan1 2.dsp   |
| 0.490 A NADH GlyPP dan2 2.dsp  | 0.192 A NADH GlyPP dan2 2.dsp   |
| 0.463 A NADH GlyPP dan3 2.dsp  | 0.183 A NADH GlyPP dan3 2.dsp   |
| 0.524 A NADH GlyPP dan7 2.dsp  | 0.196 A NADH GlyPP dan7 2.dsp   |
| 0.588 A NADH GlyPP dan15 2.dsp | 0.147 A NADH GlyPP dan15 2.dsp  |
| 0.664 A NADH GlyPP dan21 2.dsp | 0.182 A NADH GlyPP dan21 2.dsp  |
| 0.491 A NADH GlyPP dan28 2.dsp | -0.018 A NADH GlyPP dan28 2.dsp |
| 0.615 A NADH GlyPP dan35 2.dsp | 0.016 A NADH GlyPP dan35 2.dsp  |

- |                        |
|------------------------|
| NADH GlyPP 50dan 2.dsp |
| NADH GlyPP dan0 2.dsp  |
| NADH GlyPP dan15 2.dsp |

### NADH u TRIS

- pH=9,5

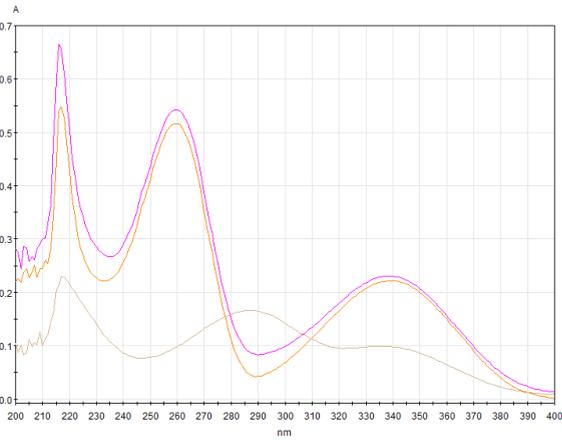
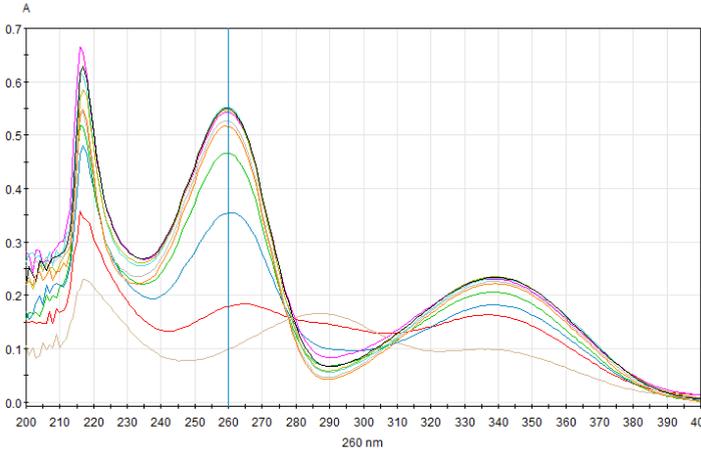


Paralela 1

- |                                 |                                 |
|---------------------------------|---------------------------------|
| 0.161 A NADH TRIS dan35 1.dsp   | 0.156 A NADH TRIS dan35 1.dsp   |
| 0.163 A NADH tris dan28 1_1.dsp | 0.216 A NADH tris dan28 1_1.dsp |
| 0.412 A NADH Tris dan15 1.dsp   | 0.245 A NADH Tris dan15 1.dsp   |
| 0.590 A NADH Tris dan7 1.dsp    | 0.268 A NADH Tris dan7 1.dsp    |
| 0.543 A NADH tris dan3 1.dsp    | 0.238 A NADH tris dan3 1.dsp    |
| 0.517 A NADH Tris dan2 1.dsp    | 0.223 A NADH Tris dan2 1.dsp    |
| 0.543 A NADH TRIS dan1 1.dsp    | 0.232 A NADH TRIS dan1 1.dsp    |
| 0.537 A NADH TRIS dan0 1.dsp    | 0.228 A NADH TRIS dan0 1.dsp    |
| 0.188 A NADH tris 50dan 1.dsp   | 0.102 A NADH tris 50dan 1.dsp   |
| 0.112 A NADH TRIS dan21 1.dsp   | 0.212 A NADH TRIS dan21 1.dsp   |

- |                       |
|-----------------------|
| NADH Tris dan15 1.dsp |
| NADH TRIS dan0 1.dsp  |
| NADH tris 50dan 1.dsp |

0,533 A NADH TRIS dan0 1.dsp	0,228 A NADH TRIS dan0 1.dsp
0,537 A NADH TRIS dan0 1.dsp	0,102 A NADH tris 50dan 1.dsp
0,188 A NADH tris 50dan 1.dsp	0,212 A NADH TRIS dan21 1.dsp
0,112 A NADH TRIS dan21 1.dsp	



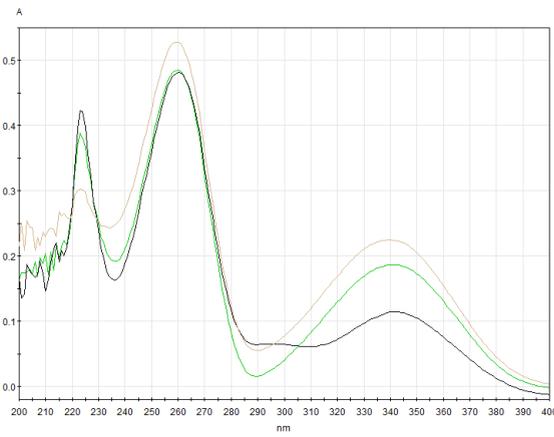
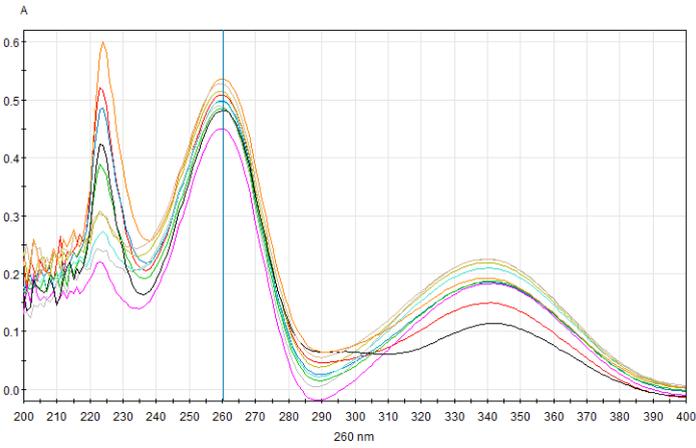
Paralela 2

0,180 A NADH TRIS dan35 2.dsp	0,163 A NADH TRIS dan35 2.dsp
0,355 A NADH tris dan28 2_1.dsp	0,162 A NADH tris dan28 2_1.dsp
0,465 A NADH TRIS dan21 2.dsp	0,206 A NADH TRIS dan21 2.dsp
0,542 A NADH Tris dan15 2.dsp	0,231 A NADH Tris dan15 2.dsp
0,552 A NADH Tris dan7 2.dsp	0,231 A NADH Tris dan7 2.dsp
0,546 A NADH tris dan3 2.dsp	0,235 A NADH tris dan3 2.dsp
0,526 A NADH Tris dan2 2.dsp	0,225 A NADH Tris dan2 2.dsp
0,549 A NADH TRIS dan1 2.dsp	0,234 A NADH TRIS dan1 2.dsp
0,516 A NADH TRIS dan0 2.dsp	0,221 A NADH TRIS dan0 2.dsp
0,099 A NADH tris 50dan 2.dsp	0,099 A NADH tris 50dan 2.dsp

NADH Tris dan15 2.dsp
NADH TRIS dan0 2.dsp
NADH tris 50dan 2.dsp

**NADH u Gly NaOH**

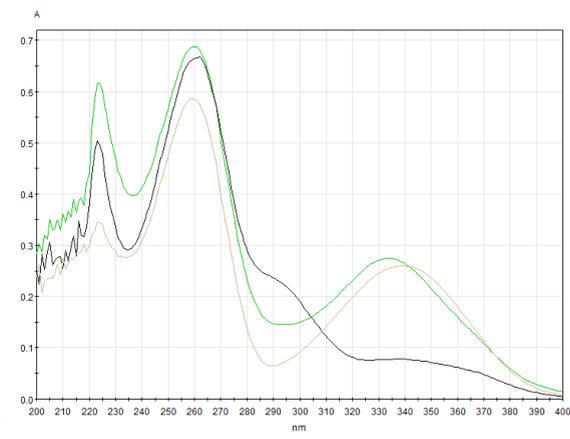
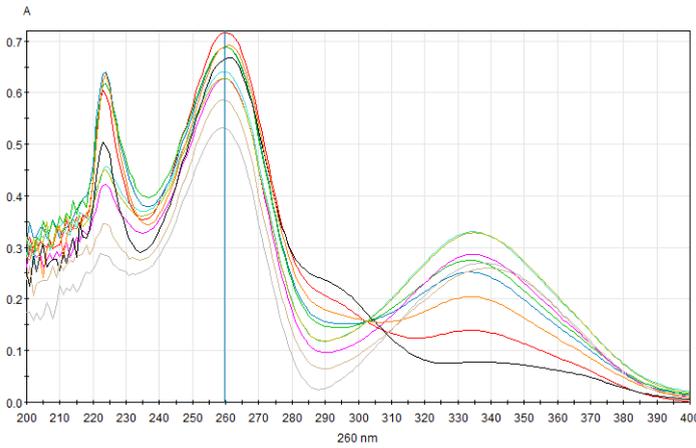
• pH= 9,98



Paralela 1

0,508 A NADH GlyNaOH dan35 1.dsp	0,149 A NADH GlyNaOH dan35 1.dsp
0,498 A NADH GlyNaOH dan21 1.dsp	0,184 A NADH GlyNaOH dan21 1.dsp
0,485 A NADH GlyNaOH dan15 1.dsp	0,185 A NADH GlyNaOH dan15 1.dsp
0,450 A NADH GlyNaOH dan7 1.dsp	0,181 A NADH GlyNaOH dan7 1.dsp
0,497 A NADH GlyNaOH dan3 1.dsp	0,208 A NADH GlyNaOH dan3 1.dsp
0,513 A NADH GlyNaOH dan2 1.dsp	0,218 A NADH GlyNaOH dan2 1.dsp
0,488 A NADH GlyNaOH dan1 1.dsp	0,225 A NADH GlyNaOH dan1 1.dsp
0,482 A NADH GlyNaOH 50dan 1.dsp	0,112 A NADH GlyNaOH 50dan 1.dsp
0,536 A NADH GlyNaOH 28dan 1_1.dsp	0,192 A NADH GlyNaOH 28dan 1_1.dsp
0,528 A NADH GlyNaOH 0dan 1.dsp	0,224 A NADH GlyNaOH 0dan 1.dsp

NADH GlyNaOH dan15 1.dsp
NADH GlyNaOH 50dan 1.dsp
NADH GlyNaOH 0dan 1.dsp



Paralela 2

0,716 A NADH GlyNaOH dan35 2.dsp	0,137 A NADH GlyNaOH dan35 2.dsp
0,688 A NADH GlyNaOH dan21 2.dsp	0,247 A NADH GlyNaOH dan21 2.dsp
0,688 A NADH GlyNaOH dan15 2.dsp	0,270 A NADH GlyNaOH dan15 2.dsp
0,627 A NADH GlyNaOH dan7 2.dsp	0,283 A NADH GlyNaOH dan7 2.dsp
0,640 A NADH GlyNaOH dan3 2.dsp	0,326 A NADH GlyNaOH dan3 2.dsp
0,627 A NADH GlyNaOH dan2 2.dsp	0,325 A NADH GlyNaOH dan2 2.dsp
0,530 A NADH GlyNaOH dan1 2.dsp	0,269 A NADH GlyNaOH dan1 2.dsp

NADH GlyNaOH dan15 2.dsp
NADH GlyNaOH 50dan 2.dsp
NADH GlyNaOH 0dan 2.dsp

0,688 A NADH Gly/NaOH dan21 2.dsp  
0,688 A NADH Gly/NaOH dan15 2.dsp  
0,627 A NADH Gly/NaOH dan7 2.dsp  
0,640 A NADH Gly/NaOH dan3 2.dsp  
0,627 A NADH Gly/NaOH dan2 2.dsp  
0,530 A NADH Gly/NaOH dan1 2.dsp  
0,965 A NADH Gly/NaOH 50dan 2.dsp  
0,690 A NADH Gly/NaOH 28dan 2\_1.dsp  
0,585 A NADH Gly/NaOH 0dan 2.dsp

0,247 A NADH Gly/NaOH dan21 2.dsp  
0,270 A NADH Gly/NaOH dan15 2.dsp  
0,283 A NADH Gly/NaOH dan7 2.dsp  
0,326 A NADH Gly/NaOH dan3 2.dsp  
0,325 A NADH Gly/NaOH dan2 2.dsp  
0,269 A NADH Gly/NaOH dan1 2.dsp  
0,078 A NADH Gly/NaOH 50dan 2.dsp  
0,201 A NADH Gly/NaOH 28dan 2\_1.dsp  
0,259 A NADH Gly/NaOH 0dan 2.dsp

NADH Gly/NaOH 0dan 2.dsp