

## Nelson APA

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- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **59**
- SRM **4**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **10 %**
- Size with trub loss **12 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **15.5 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9 liter(s)**
- Total mash volume **12 liter(s)**

### Steps

- Temp **66 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **9 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **50 min** at **66C**
- Keep mash **10 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **9.5 liter(s)** of **76C** water or to achieve **15.5 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2.5 kg (83.3%)	80 %	5
Grain	Płatki pszeniczne	0.5 kg (16.7%)	60 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	10 g	60 min	11 %
Whirlpool	Nelson Sauvín	50 g	25 min	11 %
Dry Hop	Nelson Sauvín	50 g	3 day(s)	11 %

### Yeasts

Name	Type	Form	Amount	Laboratory
hornindal	Ale	Slant	80 ml	---

### Extras

Type	Name	Amount	Use for	Time
Fining	whirflock	30 g	Boil	10 min
Water Agent	Gips piwowarski	6 g	Mash	60 min

Water Agent	Chlorek wapnia	2 g	Mash	60 min
Water Agent	Kwas mlekowy 80%	0.7 g	Mash	0 min

### Notes

- 0,7ml Kwasy mlekowy 80% do wody do wysładzania. Whirflock 1/4 tabletki.  
*Oct 19, 2021, 10:10 PM*