

## BA Colorado APA 12BLG

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **35**
- SRM **3.6**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **65 min**
- Evaporation rate **10 %/h**
- Boil size **26.6 liter(s)**

### Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **14.7 liter(s)**
- Total mash volume **18.9 liter(s)**

### Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **2 min**

### Mash step by step

- Heat up **14.7 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **2 min** at **76C**
- Sparge using **16.1 liter(s)** of **76C** water or to achieve **26.6 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (95.2%)	80 %	5
Grain	viking carabody malt	0.2 kg (4.8%)	80 %	8

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Horizon	20 g	60 min	14 %
Boil	Horizon	10 g	10 min	14 %
Aroma (end of boil)	Summit	20 g	0 min	17 %
Aroma (end of boil)	Nugget	10 g	0 min	13 %
Aroma (end of boil)	Ekuanot	10 g	0 min	14 %
Dry Hop	Nugget	20 g	---	13 %
Dry Hop	Ekuanot	20 g	---	14 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis