

# Cashmere APA

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- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **39**
- SRM **4.4**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **40 %/h**
- Boil size **16.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **8.8 liter(s)**
- Total mash volume **11.3 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **0 min**

## Mash step by step

- Heat up **8.8 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **0 min** at **78C**
- Sparge using **10.5 liter(s)** of **76C** water or to achieve **16.8 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale	2.3 kg (92%)	80 %	6
Grain	Weyermann - Carapils	0.2 kg (8%)	75 %	5

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	USA Tomahawk	7 g	60 min	15.8 %
Boil	USA Cashmere	20 g	15 min	7.3 %
Aroma (end of boil)	USA Cashmere	20 g	0 min	7.3 %
Dry Hop	USA Cashmere	10 g	3 day(s)	7.3 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05 IV	Ale	Slant	70 ml	---