

# WWA e8- 07.08.2022

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- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **32**
- SRM **4.7**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **65 min**
- Evaporation rate **15 %/h**
- Boil size **24.1 liter(s)**

## Mash information

- Mash efficiency **88 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **11.1 liter(s)**
- Total mash volume **14.8 liter(s)**

## Steps

- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **1 min**

## Mash step by step

- Heat up **11.1 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **16.7 liter(s)** of **76C** water or to achieve **24.1 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Castle Pale Ale	3.7 kg (100%)	80 %	8

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Azacca	18 g	60 min	10.6 %
Boil	Azacca	10 g	15 min	10.6 %
Aroma (end of boil)	Azacca	25 g	1 min	10.6 %

## Notes

- Warzenie 7.08., fermentacja 08.08.  
12 BLG, 18 litrów  
Fermentacja : Us05 -temp 18-20  
po fermentacji ok 20-22 stopnie  
  
27.08.2022 - butelkowanie - 3,1 BLG  
105 gram cukru  
Aug 27, 2022, 11:38 PM