

# APA BITWA

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- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **38**
- SRM **4.2**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9 liter(s)**
- Total mash volume **12 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2.7 kg (90%)	81 %	4
Grain	Monachijski	0.3 kg (10%)	80 %	16

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	15 g	60 min	12.7 %
Whirlpool	Amarillo	100 g	1 min	8 %
Dry Hop	Nelson Sauvín	50 g	2 day(s)	11 %