

# APA z KAPI MUSCLE

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- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **36**
- SRM **6.5**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.9 liter(s)**
- Total mash volume **25.2 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	6.1 kg (96.8%)	79 %	6
Grain	Strzegom Karmel 150	0.2 kg (3.2%)	75 %	150

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	10 g	60 min	14.7 %
Boil	Warrior	10 g	30 min	14.7 %
Boil	Warrior	10 g	10 min	14.7 %
Boil	Cascade	5 g	30 min	7.1 %
Boil	Cascadet	5 g	10 min	7.1 %
Aroma (end of boil)	Willamette	30 g	2 min	5 %
Aroma (end of boil)	Cascade	40 g	2 min	7.1 %
Aroma (end of boil)	Boadicea	15 g	2 min	5.2 %