

# Arset APA

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- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **41**
- SRM **5.2**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **9.5 liter(s)**
- Trub loss **10 %**
- Size with trub loss **10.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **14 %/h**
- Boil size **12.7 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **9.3 liter(s)**
- Total mash volume **11.9 liter(s)**

## Steps

- Temp **67 C**, Time **45 min**
- Temp **72 C**, Time **20 min**
- Temp **77 C**, Time **10 min**

## Mash step by step

- Heat up **9.3 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **45 min** at **67C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **77C**
- Sparge using **6.1 liter(s)** of **76C** water or to achieve **12.7 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Mep@Ale                    | 2.4 kg (90.6%) | 80 %  | 7   |
| Grain | BESTMALZ - Best Wheat Malt | 0.25 kg (9.4%) | 82 %  | 5   |

## Hops

| Use for             | Name              | Amount | Time   | Alpha acid |
|---------------------|-------------------|--------|--------|------------|
| First Wort          | Iunga Polish Hops | 10 g   | 77 min | 10 %       |
| Aroma (end of boil) | El Dorado         | 8.6 g  | 10 min | 11 %       |
| Whirlpool           | Kohatu            | 22 g   | 15 min | 5.7 %      |

## Yeasts

| Name  | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| Arset | Ale  | Dry  | 1 g    | Kveik      |

## Extras

| Type        | Name | Amount | Use for | Time   |
|-------------|------|--------|---------|--------|
| Water Agent | Gips | 2.3 g  | Mash    | 75 min |

## Notes

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

- 11 l przegotowana kranówka + 5 l Oaza  
Ca - 54,3  
Mg - 13,4  
Na - 73,4  
Cl - 126  
SO4 - 125,1  
rez.alk - 54,8  
*May 22, 2020, 3:29 PM*