

# Punk IPA Brewdog

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- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **54**
- SRM **4.7**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **24.1 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.1 liter(s)**
- Total mash volume **22.8 liter(s)**

## Fermentables

| Type  | Name                 | Amount        | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Viking Pale Ale malt | 5.7 kg (100%) | 80 %  | 5   |

## Hops

| Use for             | Name                   | Amount | Time      | Alpha acid |
|---------------------|------------------------|--------|-----------|------------|
| Boil                | Columbus/Tomahawk/Zeus | 43 g   | 90 min    | 11 %       |
| Aroma (end of boil) | Cascade                | 28 g   | 1 min     | 8 %        |
| Dry Hop             | Amarillo               | 28 g   | 14 day(s) | 9.5 %      |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 11.5 g | Fermentis  |